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Currents and Temperature Data from Southwestern Baffin Bay, October 1984 - October 1985

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Pêches et Océans

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Canadian Data Report Of Hydrography and Ocean Sciences

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Les établissements des Sciences et levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports en décembre 1981. Une liste complète de ces publications figure dans le volume 39, Index des publications 1982, du *Journal canadien des sciences halieutiques et aquatiques*. La série actuelle a commencé avec la publication du rapport numéro 1 en janvier 1982.

Canadian Data Report of
Hydrography and Ocean Sciences No. 79

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CURRENTS AND TEMPERATURE DATA FROM SOUTHWESTERN BAFFIN BAY, October 1984 - October 1985

by

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ABSTRACT

Ross, C.K. 1990. Currents and temperature data from southwestern Baffin Bay, October 1984 - October 1985. Can. Data Rep. Hydrogr. Ocean Sci. No. 79: vii + 180 pp.

This report presents a statistical and graphical description of the moored current meter and satellite-tracked data collected during the period October 1984 to October 1985 in southwestern Baffin Bay.

The presentation for current meter data takes the form of means over the length of the record and monthly means, ranges and standard deviations; time series plots of the hourly data and low pass filtered data; progressive vector plots; tidal constituents and spectra of velocity components. The presentations for the satellite-tracked drifters are listings of twice daily positions and track plots of each drifter. Composite plots of all drifter tracks for twenty-day periods are presented.

RÉSUMÉ

Ross, C.K. 1990. Currents and temperature data from southwestern Baffin Bay, October 1984 - October 1985. Can. Data Rep. Hydrogr. Ocean Sci. No. 79: vii + 180 pp.

Le présent rapport expose, au moyen de statistiques et de graphiques, les données de courantomètre et de satellite recueillies entre octobre 1984 et octobre 1985 dans la partie sud-ouest de la baie Baffin.

Les données provenant des courantomètres sont présentées sous forme de moyennes sur la période considerée et de moyennnes, amplitudes et écarts-types mensuels; de tracés de séries chronologiques des données horaires et des données de filtrage passe-bas; de tracés vectoriels progressifs, ainsi que de composantes de la marée et de spectre des composantes de la vitesse. Les données de repérage des dériveurs par satellite sont exposées sous forme de deux positions par jour et de tracés du trajet de chaques dériveur. On présente aussi des tracés combinés du trajet de tous les dériveurs par période de vingt jours.

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CURRENTS AND TEMPERATURE DATA
FROM SOUTHWESTERN BAFFIN BAY,
October 1984 - October 1985

INTRODUCTION

A program of year-long moored observations in Baffin Bay was started in the summer of 1983. The first year's moorings (Ross, 1990) were deployed in northwestern Baffin Bay. After recovery of these moorings in the fall of 1984 a new set of four current meter moorings were deployed in southwestern Baffin Bay. Three satellite-tracked drifting buoys (ARGOS) were deployed in the summer of 1984 in the eastern and northern regions of Baffin Bay.

Four current meter moorings (consecutive numbers 615, 616, 617 and 618) were deployed in October 1984 during cruise 84-039 of CSS Baffin. The moorings were recovered in October 1985 during cruise 85-029 of CSS Baffin. The locations of the moorings are given (along with the location of the previous year's moorings in northwestern Baffin Bay) in figure 1 with more detail shown in figure 2. A listing of mooring particulars is given in Table I and Table II. Two Aanderaa water level (i.e. pressure) gauges were deployed during cruise 84-039. One was located in northern Baffin Bay at 75° 24.8N, 74° 33.4W amd the other was in southern Baffin Bay at 68° 12.6N, 61° 21.7W. The data from these instruments have been reported by Greisman *et al*, 1986.

ARGOS drifting buoys with identifications 5416, 5417 and 5418 were released in eastern and northern Baffin Bay during cruise 84-031 of CSS Baffin. The buoys were tracked by the ARGOS system until failure or being frozen in ice.

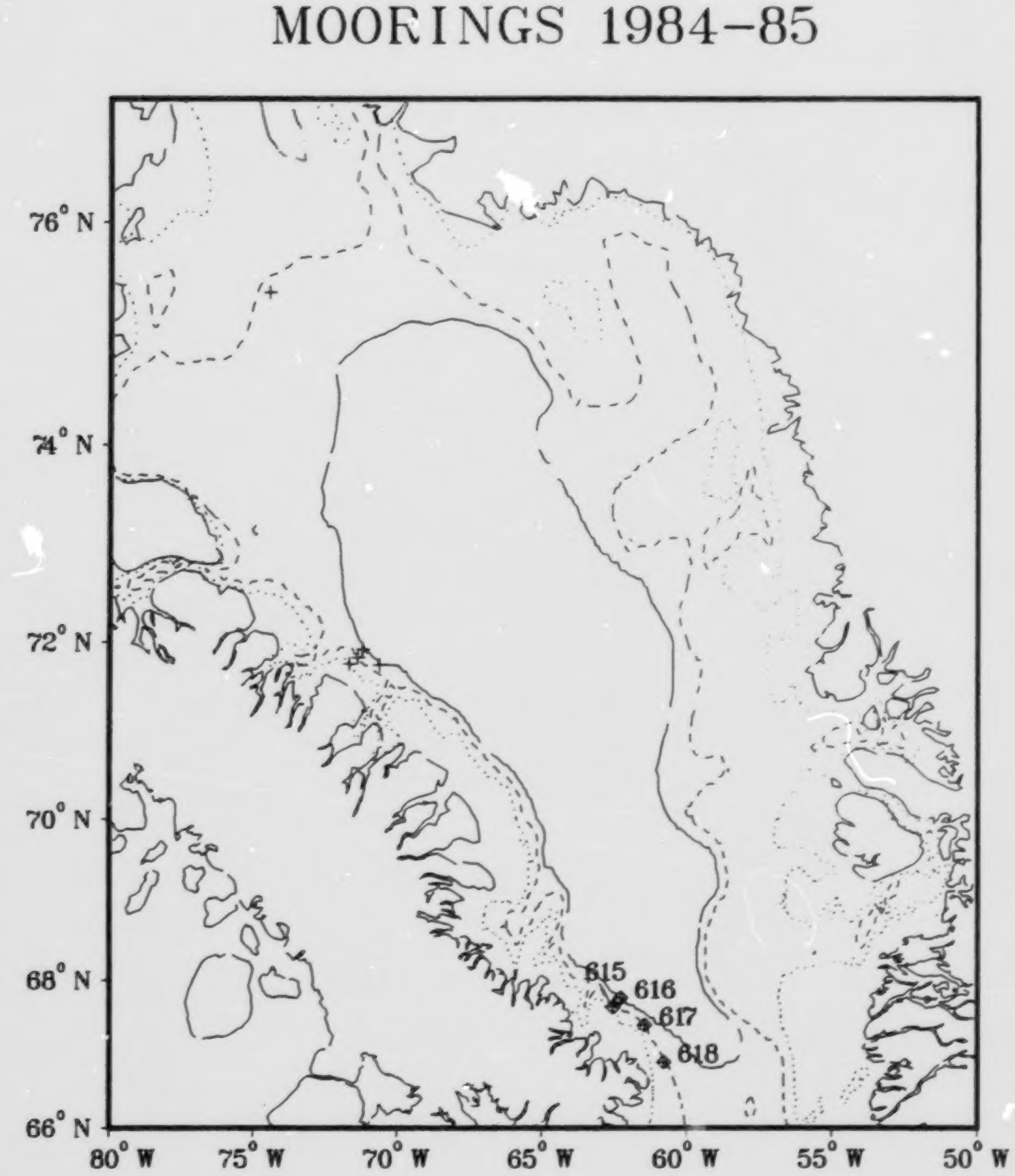

MOORINGS 1984–85
76° N
74° N
72° N
70° N
68° N
66° N
80° W
75° W
70° W
65° W
60° W
55° W
50° W
615
616
617
618

FIGURE 1: Location of current meter moorings. Isobaths shown are 200, 500 and 1000 m. The location of the 1983/84 moorings (579 - 582) are shown by + symbols.

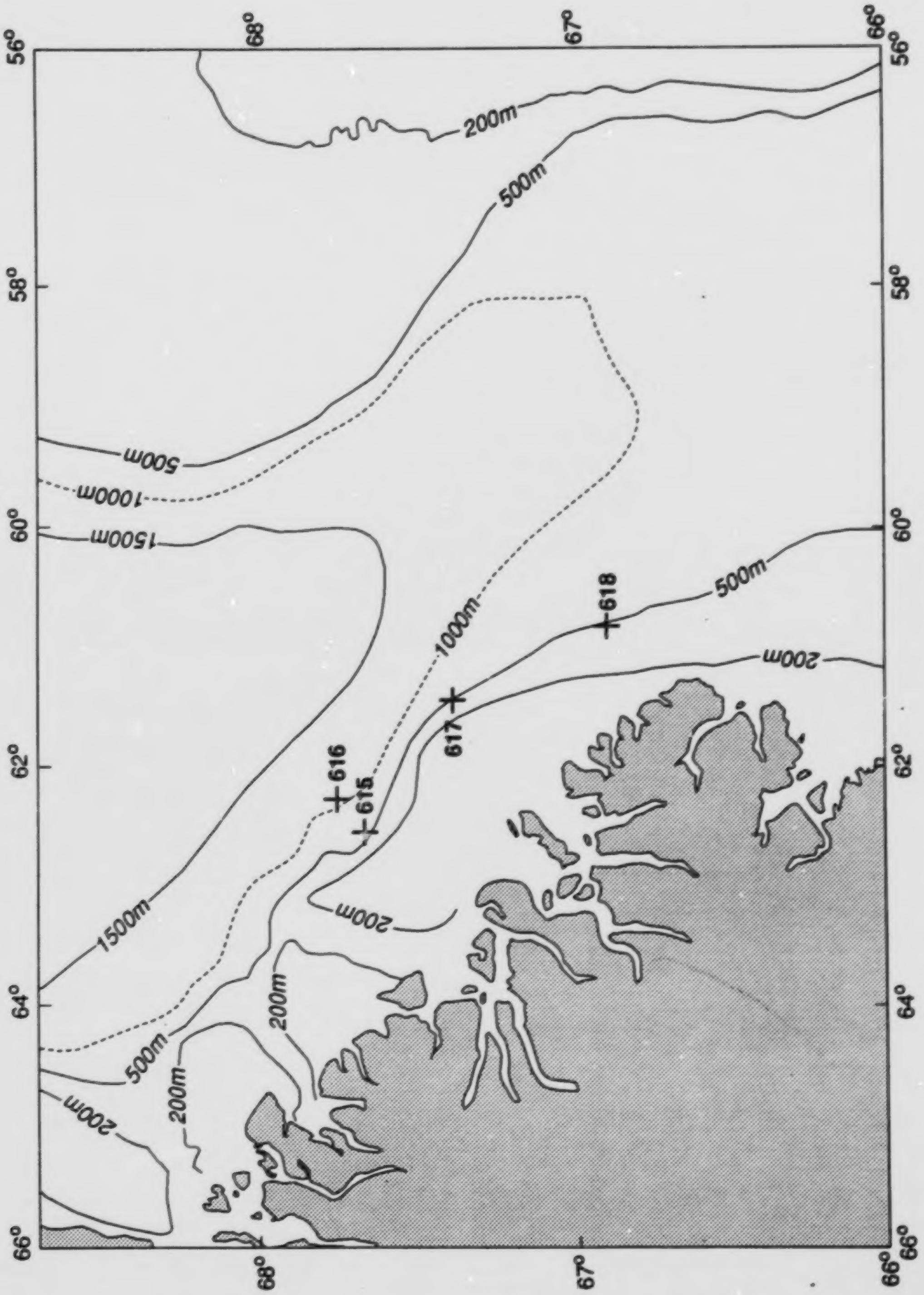

56°
58°
60°
62°
64°
66°
68°
67°
66°
200m
500m
1000m
1500m
615
616
617
618

FIGURE 2: Detail location of moorings 615 - 618.

INSTRUMENTATION

The four moorings included 11 Aanderaa RCM5's. Each instrument was equipped with current speed sensors, current direction, temperature and (generally) pressure sensors. Data were recorded at hourly intervals.

The manufacturer quotes accuracies for this instrument as: time within ±2 s/d; temperature ±0.15°C with a response time of 12 s; current speed ±.01 m/s with a threshold of .015 m/s; and current direction ±5° for speeds above .05 m/s and tilt less than 12° from horizontal. The compass of each instrument was calibrated after recovery. CTP stations were occupied in the vicinity on deployment and recovery to verify the calibration of the temperature sensors.

The ARGOS buoys were manufactured by Hermes Electonics of Dartmouth, N.S. and are a modification of the FGGE drifting buoys. Each buoy included a temperature sensor in the hull. The temperature sensor is more accurate than our knowledge of what it is measuring. The temperature data are not presented in this report but are available from the author. Each buoy was fitted with a holey-sock drogue centred at 35 m depth. There was no sensor to indicate if the drogues remained intact.

DATA PROCESSING

The data recorded by the Aanderaa instruments were translated to computer readable files. The direction data are corrected by applying the calibration data from the compass swing and also corrected for the local magnetic variation as given on navigational charts for the area. The current speed is computed by applying a linear relationship to the encoder value according to the data supplied by the manufacturer. The current velocity is determined by taking the direction as the arithmetic mean of the direction data at the beginning and end of the speed integration period. The average speed/direction is then time-stamped at the mid-point of the cycle. Temperature is computed by applying a cubic

TABLE I

SUMMARY OF MOORINGS

Mooring Number	Latitude (N)	Longitude (W)	Water Depth (m)	Instrument		Sensors	Data Return (dd/mm/yy)	
				Depth (m)	Type		Start	End
615	67 40.6	62 33.0	385	160	Aa	TP	01/10/84	07/10/85
				260	Aa	VT	01/10/84	07/10/85
				360	Aa	VT	01/10/84	07/10/85
616	67 45.8	62 17.6	1035	235	Aa	VTP	02/10/84	06/10/85
				335	Aa	VTP	02/10/84	06/10/85
				535	Aa	VTP	02/10/84	06/10/85[a]
617	67 24.3	61 27.0	582	257	Aa	VTP	02/10/84	07/10/85
				357	Aa	VTP	02/10/84	07/10/85
				557	Aa	VTP	02/10/84	07/10/85
618	66 54.5	60 48.3	550	325	Aa	VTP	02/10/84	08/10/85[b]
				525	Aa	VTP	02/10/84	08/10/85

Notes

[a] 137 speed values removed

[b] speed failed 13 March, 1985.

Aa	Aanderaa RCM5 current meter
V	velocity measurement
T	temperature measurement
P	pressure measurement

Moor. No.	Instr. Depth	Comments
615	160	No speed or direction.
	260	
	360	
616	235	
	335	
	535	
617	257	
	357	
	557	
618	325	No speed after 13 March, 1985.
	525	

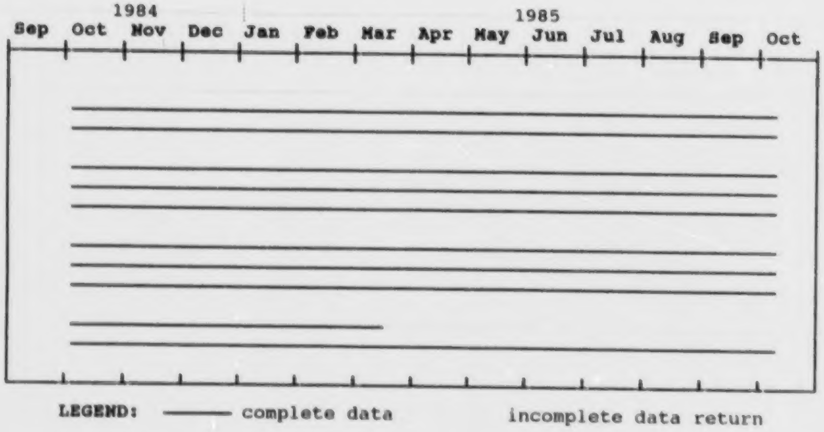


TABLE II: Instrument performance and data return

polynomial fitted to the results of a temperature bath calibration. Pressure uses a linear relationship.

The recovered data required almost no editing. A few obviously erroneous data values were manually removed from the records.

The data from the drifting buoys were received from Service ARGOS. These data were examined and any obviously erroneous data were removed. The data were transformed into an equi-spaced time series by interpolating position to a value at 0600 and 1800 UTC. This is different from the method used for the previous year's data.

DATA PRESENTATION

Each time series from the moored current meters is presented either in its raw hourly form or as a low pass filtered time series. The filter used was a Cartwright filter with 129 weights that passes more than 95% of the input power for periods longer than 40 h, 50% at 31 h and less than 1% for periods shorter than 24 h. The resulting low pass time series are subsampled every 6 h.

A table of statistics and information on the location and times of deployment is given for each record. Statistics for each complete record include the number of observations for each sensor and the minimum, maximum, mean and standard deviation for each of pressure, temperature and speed as well as the current velocity in components to the northeast and southeast. These coordinates were chosen because the majority of instruments showed a mean current to the southeast on the Baffin Island slope, both for the northern and southern moorings. A listing of the mean and standard deviation of temperature, speed and the northeast/southeast components of current velocity are given for each calendar month.

Time series plots of hourly values of direction, speed, north and east components of current velocity and temperature are presented for each record. Each record requires several pages as only 60 d of data are presented on each page. The hourly current data are used to form a progressive vector diagram with symbols every 10 d and labels every 60 d.

The low pass data are presented as a single page of the complete record of speed, northeast and southeast components of velocity, temperature and a stick diagram of velocities. For extra resolution the time axis is expanded to re-draw the stick diagrams with 60 d of data in each panel.

A table of the major tidal constituents (K_1, O_1, M_2, S_2, N_2, M_f, M_4, MS_4) is given for each current record. These constituents are determined from the maximum possible length of record.

Spectra are presented for the northeast and southeast components of velocity in two forms: log-log presentation of spectral power versus frequency and log-linear presentation of frequency times spectral power versus frequency (i.e. energy preserving display). The spectra are computed by using a fast Fourier transform on blocks of data (1024 h) that have had their mean and trend removed, averaging over variable (approximation to logarithmic) frequency space and averaging the estimates from each block. The standard error associated with the block to block variability of each spectral estimate is used to give the error estimate shown on each spectral estimate.

Each record for an ARGOS drifter has a table of the twelve-hourly positions of the buoy. A plot of the buoy's position relative to bathymetric contours is given with a symbol plotted at 2 d intervals. Following the data for the three individual records a chart of Baffin Bay is prepared for 20 d periods and the tracks of all buoys are shown.

Throughout, an attempt has been made to minimize the number of scales used for each presentation so that comparison from record to record may be made.

ACKNOWLEDGEMENTS

I would like to express my gratitude to the many individuals who helped to gather, process and present these data. In particular the personnel of the CSS Baffin, the technical support of the Ocean Circulation Division and Coastal Oceanography Division of the Atlantic Oceanographic Laboratory, and Dr. J. Smith and B. Wile for accommodating the deployment of the drifters.

REFERENCES

Greisman, P., Grant, S., Blaskovitch, A., and van Hardenberg, B. 1986. Tidal propagation measurements in Baffin Bay, Lancaster Sound and Nares Strait. Can. Contract. Rep. Hydrogr. Ocean Sci. No. 25: viii + 548p.

Ross, C.K. 1990. Currents and temperature data from northwestern Baffin Bay, September 1983 - September 1984. Can. Data Rep. Hydrogr. Ocean Sci. No. 78: viii + 227 pp.

Mooring 615
Depth 160 m

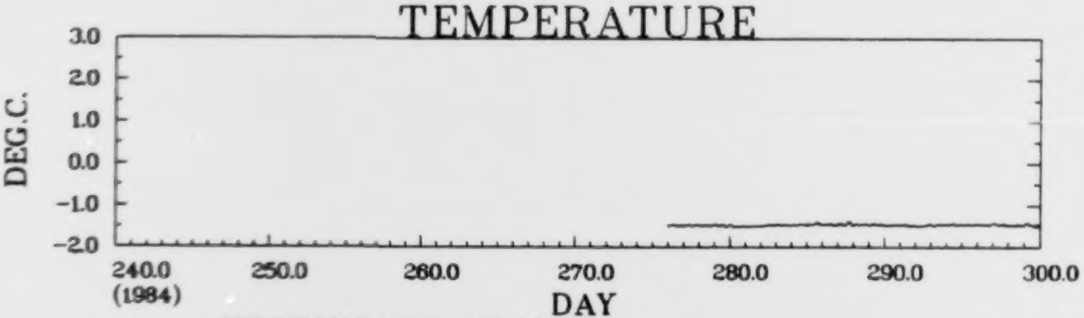
Latitude	67° 40.6N	Deployment	2224Z 1 Oct., 1984
Longitude	62° 33.0W	Recovery	1110Z 7 Oct., 1985
Water Depth	385 m	Duration	370 d

RECORD LENGTH STATISTICS

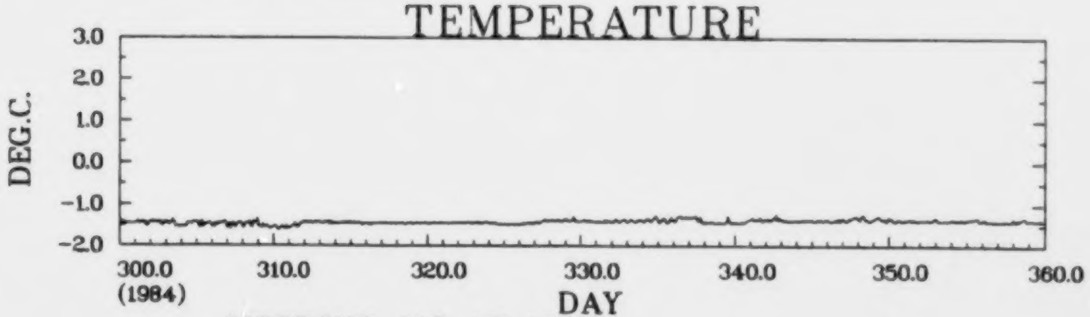
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	8893	164	166	166	0.1
Temperature (T)	°C	8893	-1.79	-1.11	-1.48	0.11

MONTHLY MEANS

	Samples	T
October	722	-1.46±0.03
November	720	-1.44±0.05
December	744	-1.37±0.04
January	744	-1.41±0.08
February	672	-1.43±0.08
March	744	-1.52±0.10
April	720	-1.56±0.13
May	744	-1.66±0.08
June	720	-1.54±0.12
July	744	-1.48±0.08
August	744	-1.43±0.07
September	720	-1.50±0.11
October	155	-1.42±0.03

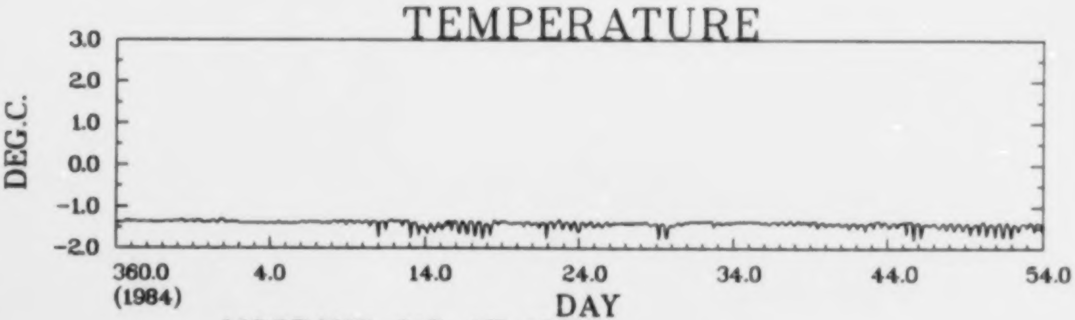


MOORING 615 AT 160M
SOUTHWEST BAFFIN BAY 1984/5



TEMPERATURE

MOORING 615 AT 160M
SOUTHWEST BAFFIN BAY 1984/5



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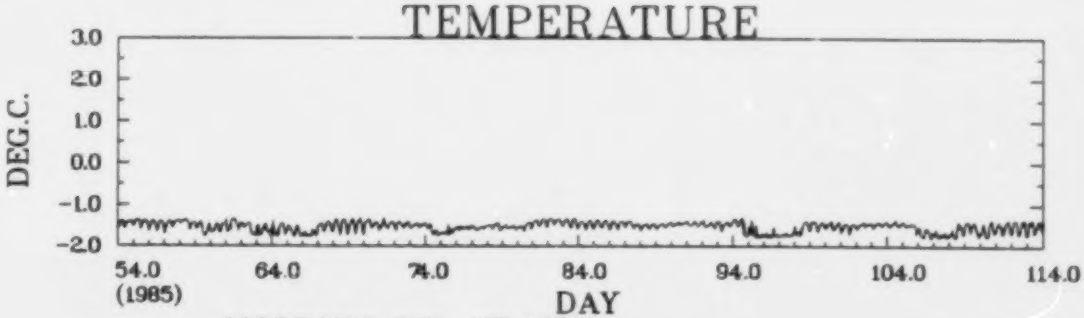

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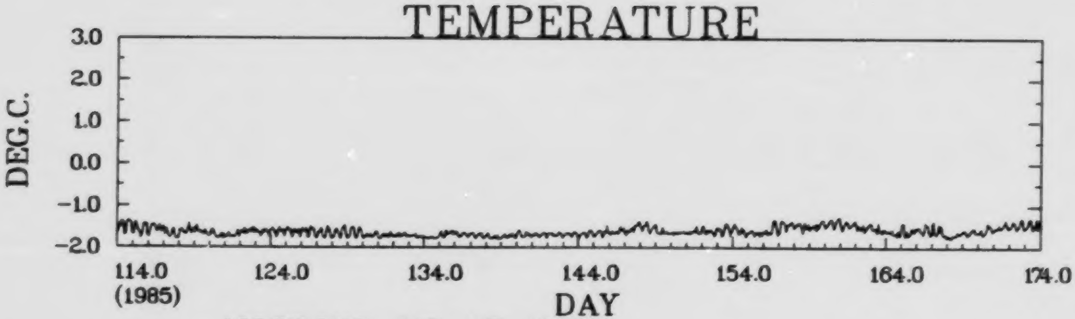

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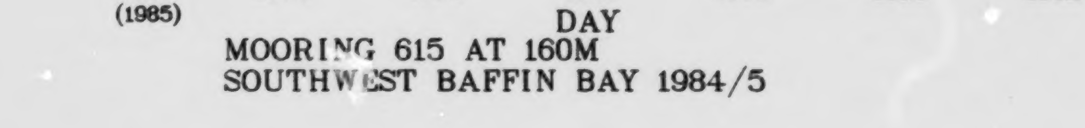

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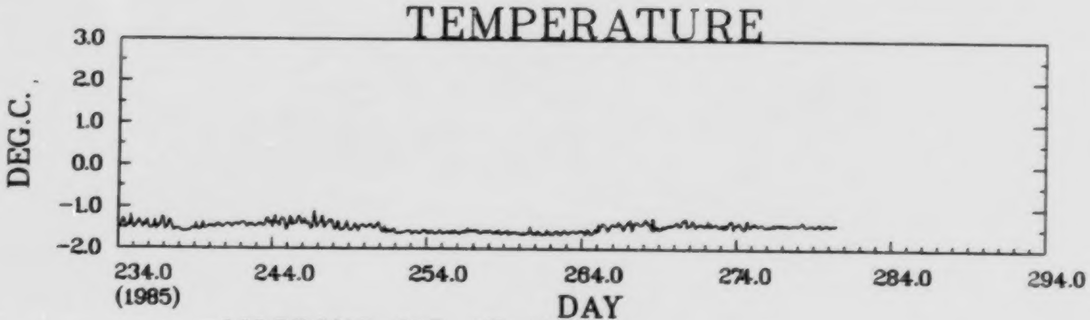
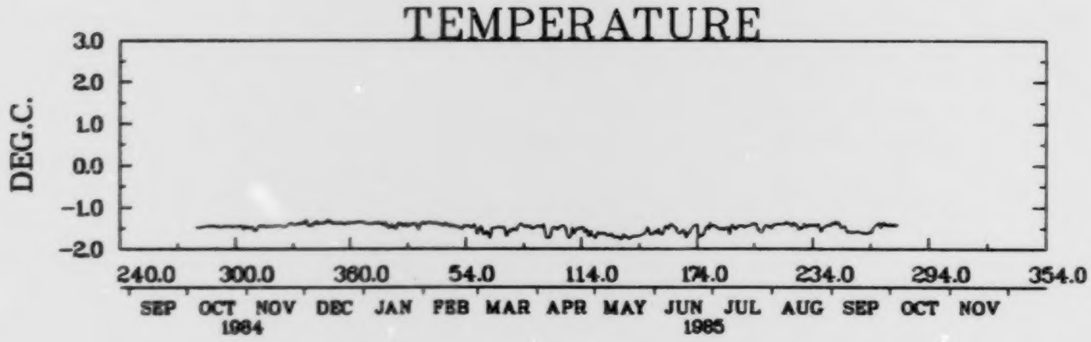


MOORING 615 AT 160M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 615 AT 160M - LOW PASS
SOUTHWESTERN BAFFIN BAY 1984/5

Mooring 615
Depth 260 m

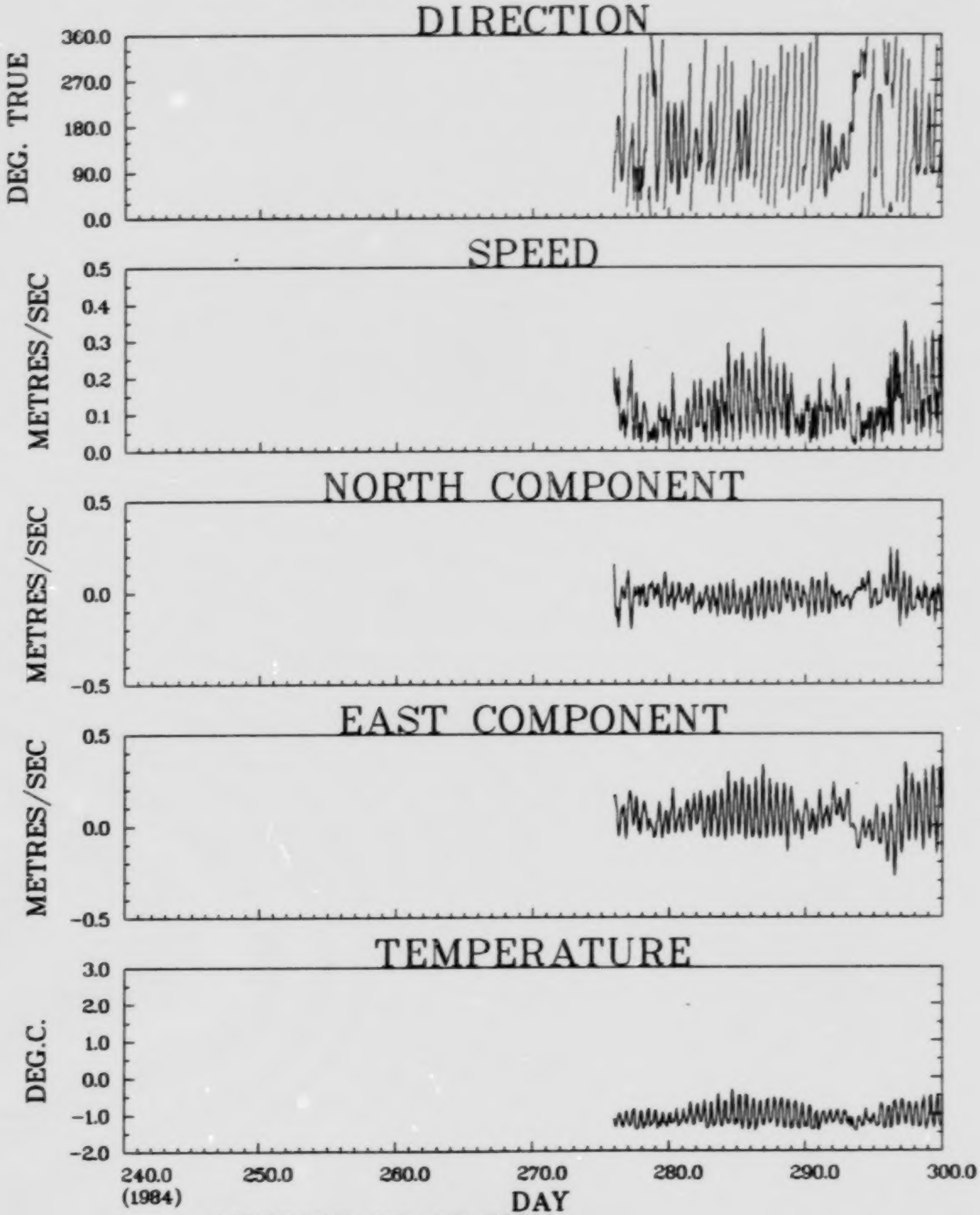
Latitude	67° 40.6N	Deployment	2224Z 1 Oct., 1984
Longitude	62° 33.0W	Recovery	1110Z 7 Oct., 1985
Water Depth	385 m	Duration	370 d

RECORD LENGTH STATISTICS

Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Temperature (T)	°C	8893	-1.70	0.12	-0.88	0.34
Speed (R)	ms^{-1}	8893	0.015	0.402	0.127	0.060
Northeast Component (V)	ms^{-1}	8893	-.295	0.325	0.025	0.090
Southeast Component (U)	ms^{-1}	8893	-.278	0.346	0.063	0.084

MONTHLY MEANS

	Samples	T	R	V	U
October	722	-1.07±0.24	0.122±.070	0.025±.089	0.066±.084
November	720	-1.12±0.33	0.129±.060	0.014±.094	0.028±.102
December	744	-0.88±0.25	0.123±.056	0.026±.080	0.069±.082
January	744	-1.03±0.21	0.116±.059	0.029±.070	0.081±.068
February	672	-1.04±0.20	0.118±.062	0.022±.084	0.074±.069
March	744	-0.93±0.23	0.138±.061	0.039±.081	0.097±.073
April	720	-0.93±0.30	0.135±.062	0.021±.101	0.039±.100
May	744	-1.01±0.35	0.128±.063	0.019±.109	-.008±.091
June	720	-0.71±0.35	0.128±.056	0.024±.095	0.059±.080
July	744	-0.58±0.32	0.127±.055	0.029±.088	0.083±.060
August	744	-0.63±0.31	0.135±.058	0.030±.087	0.099±.056
September	720	-0.71±0.39	0.123±.060	0.021±.100	0.061±.068
October	155	-0.87±0.30	0.111±.053	0.025±.068	0.083±.055



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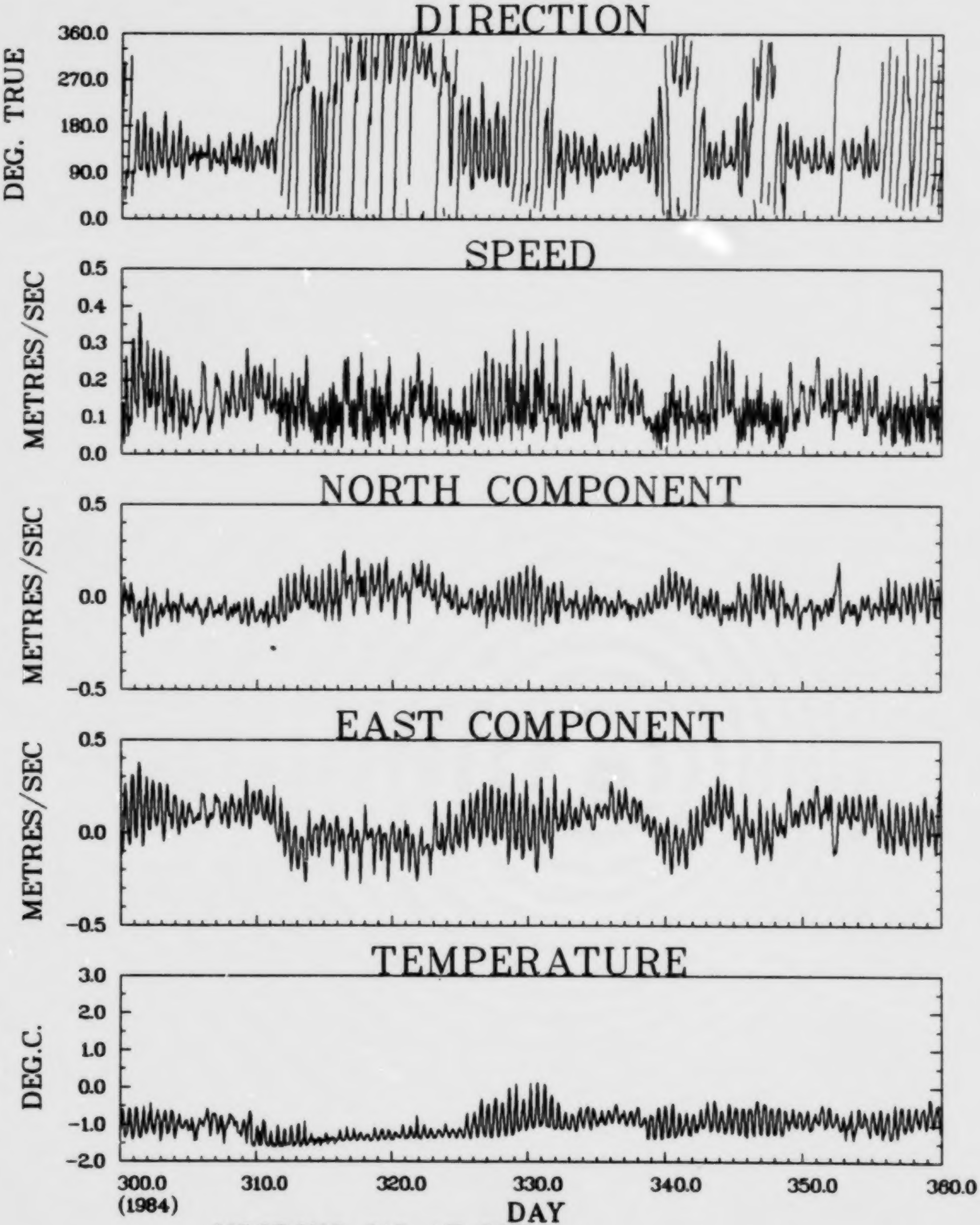
SOUTHWEST BAFFIN BAY 1984/5



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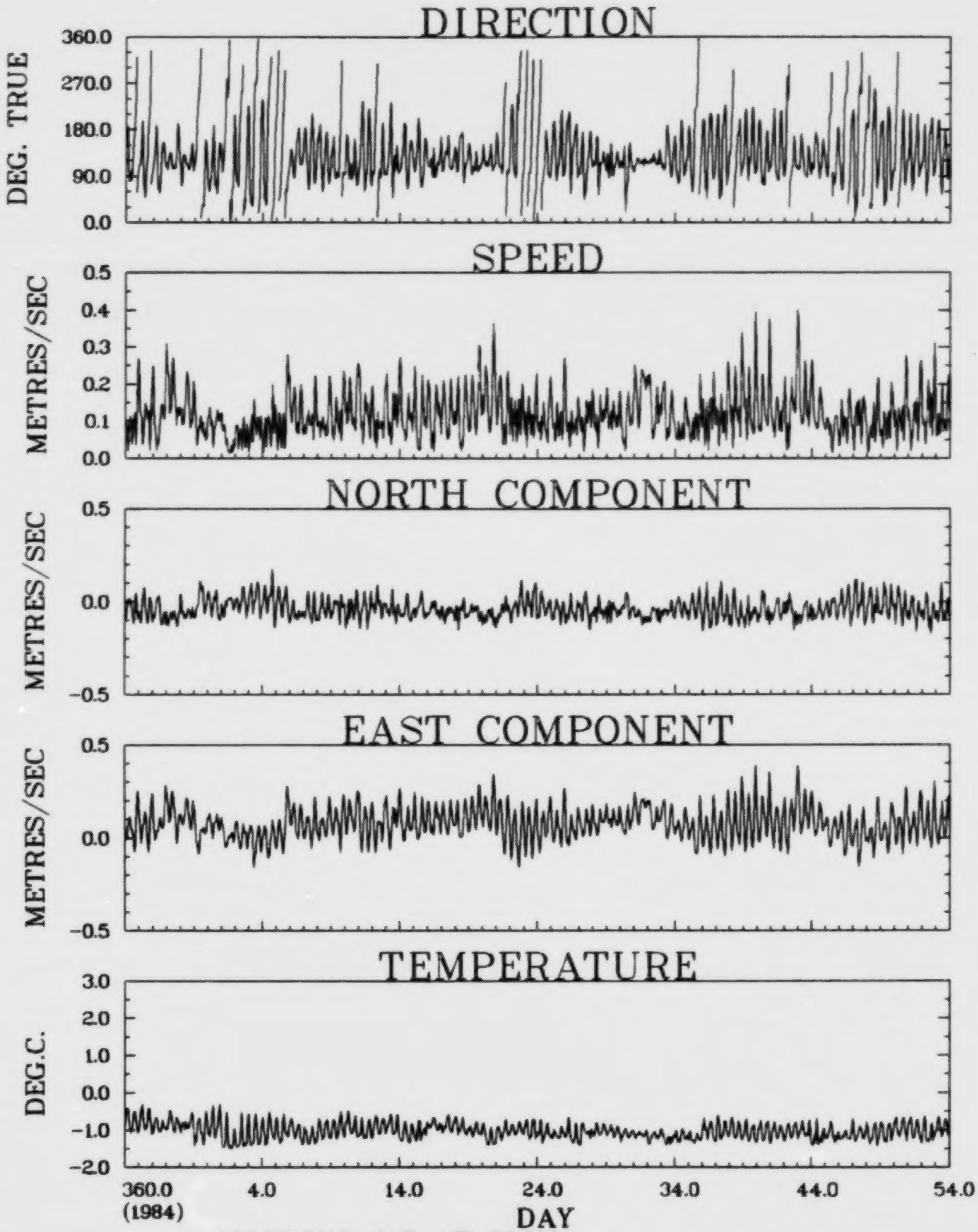

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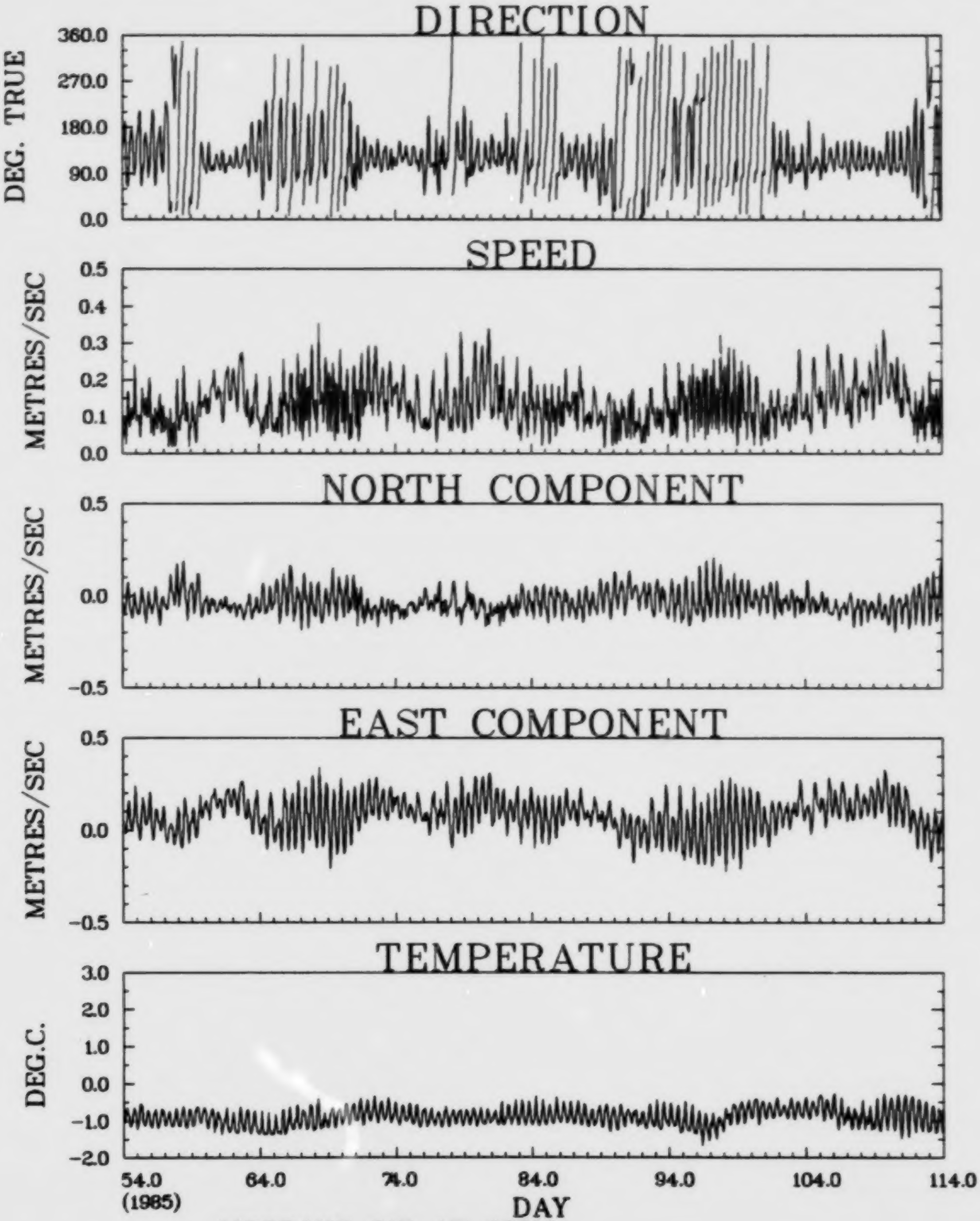

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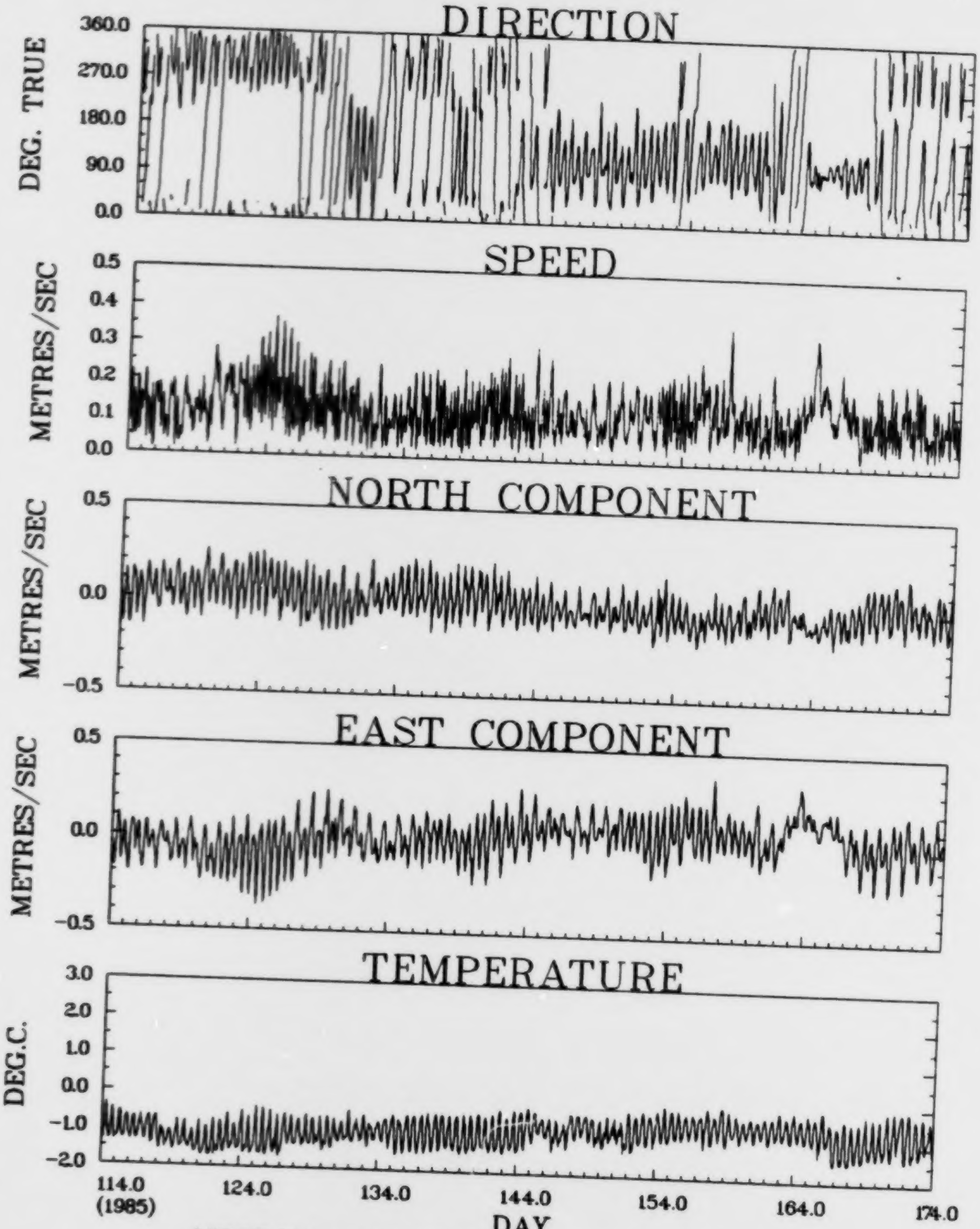

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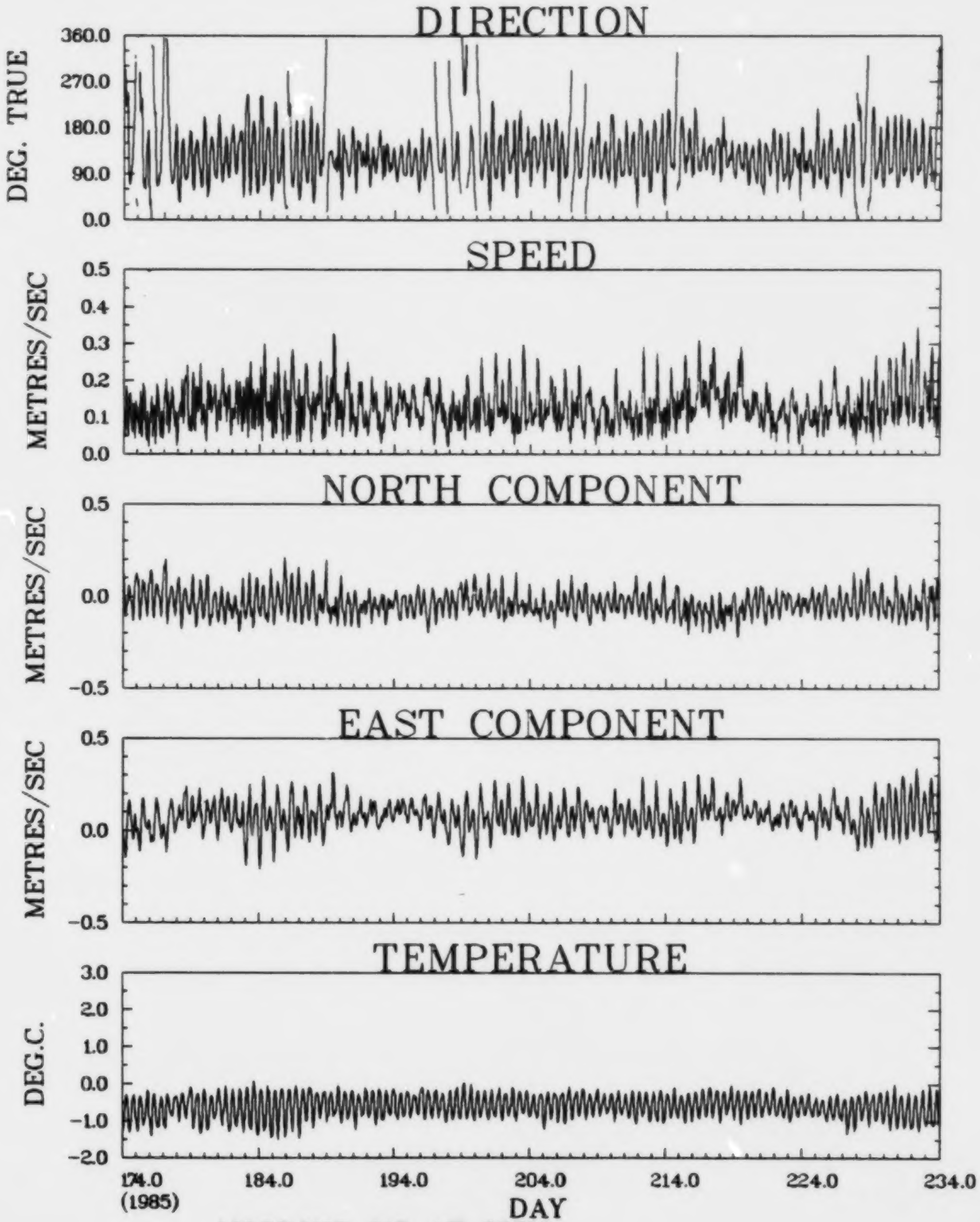
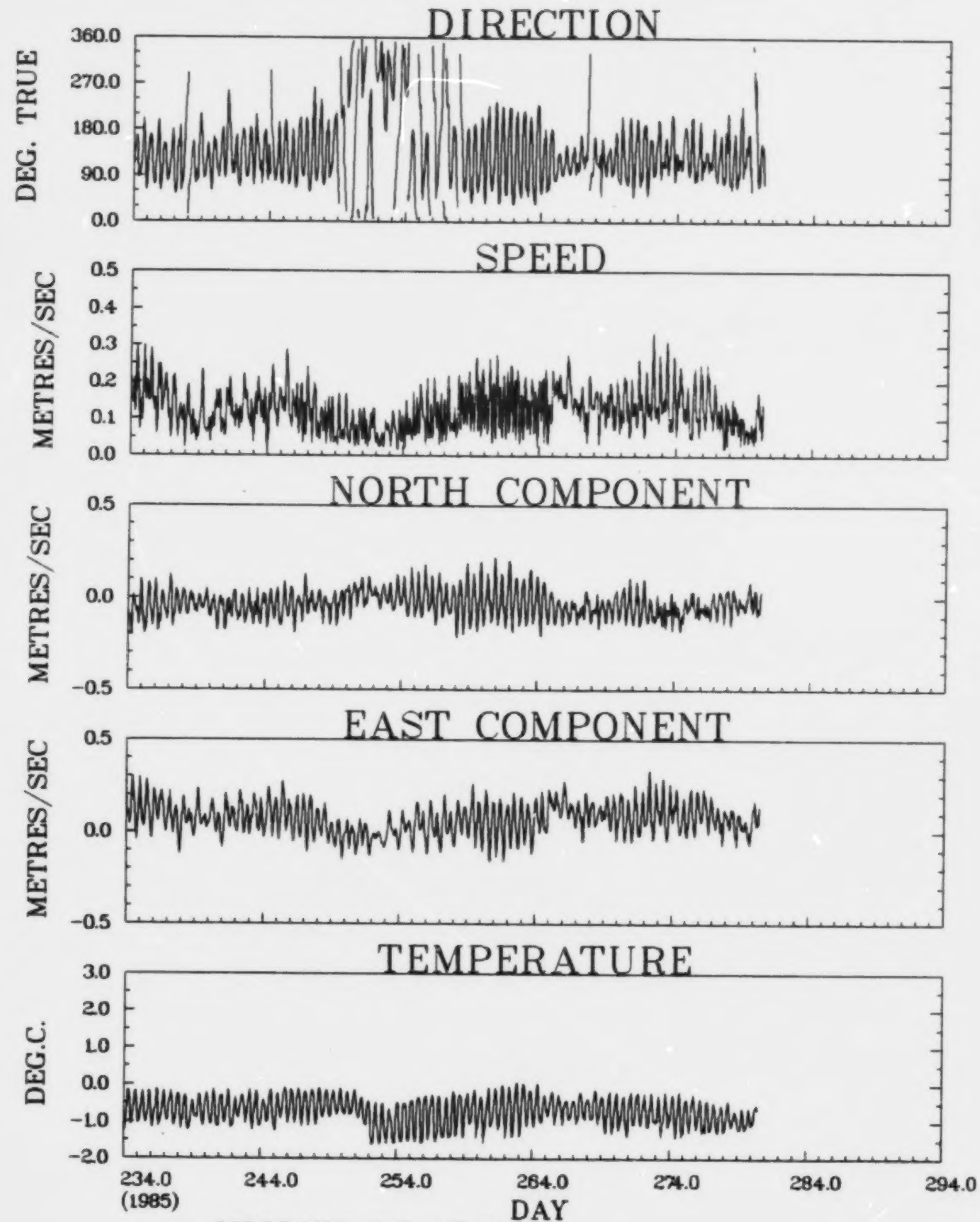
SOUTHWEST BAFFIN BAY 1984/5



MOORING 615 AT 260M
SOUTHWEST BAFFIN BAY 1984/5



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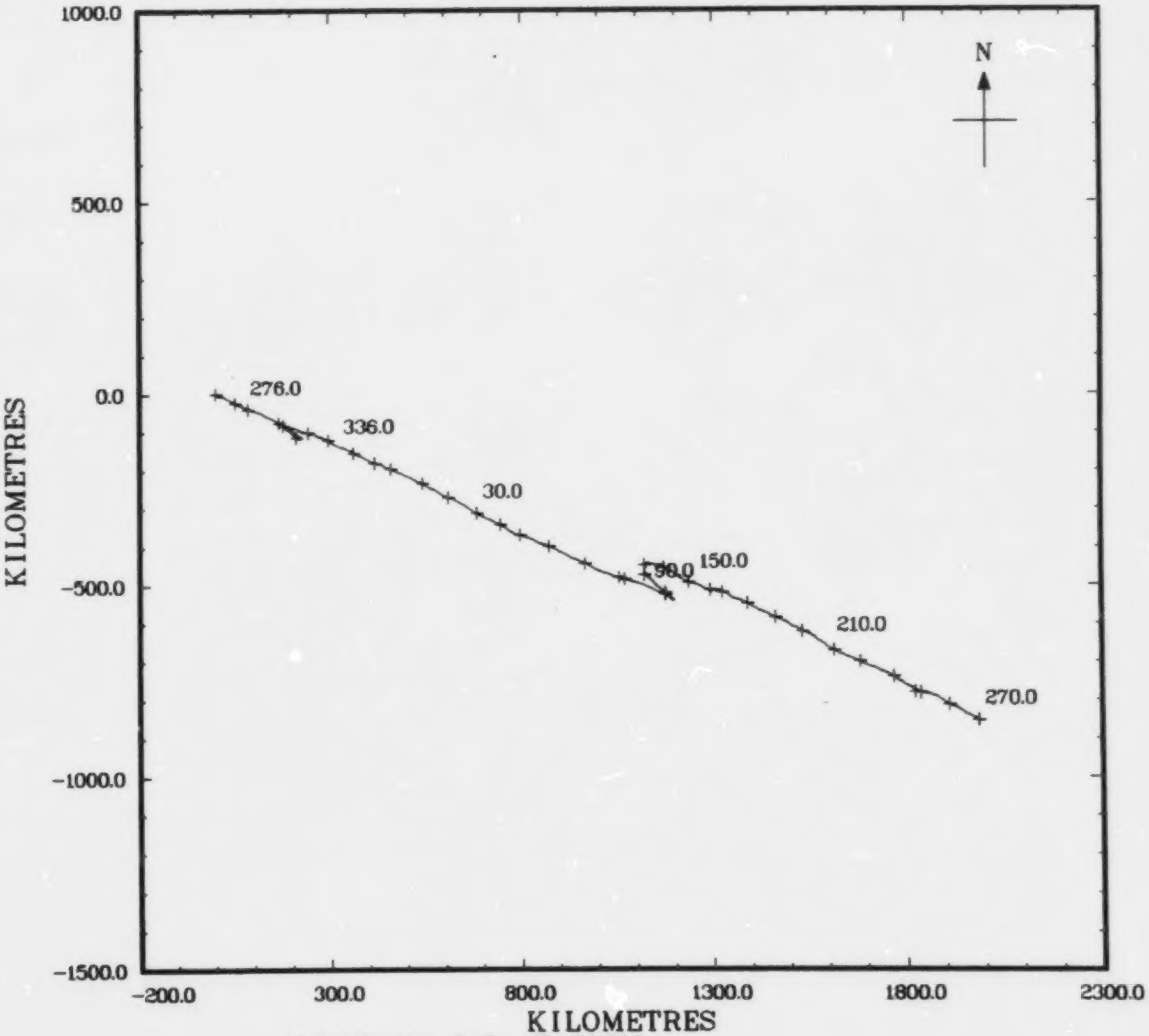
SOUTHWEST BAFFIN BAY 1984/5



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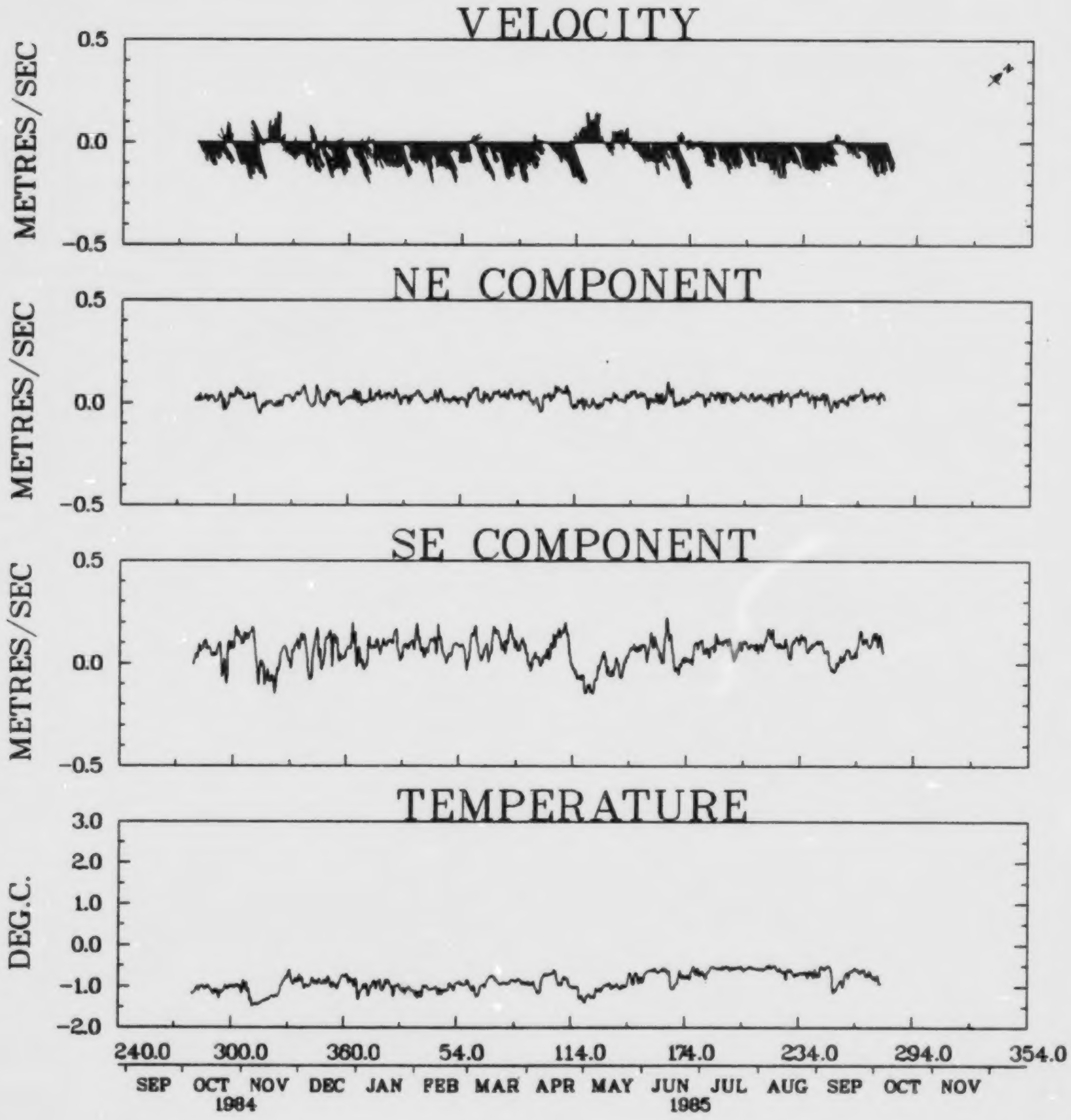
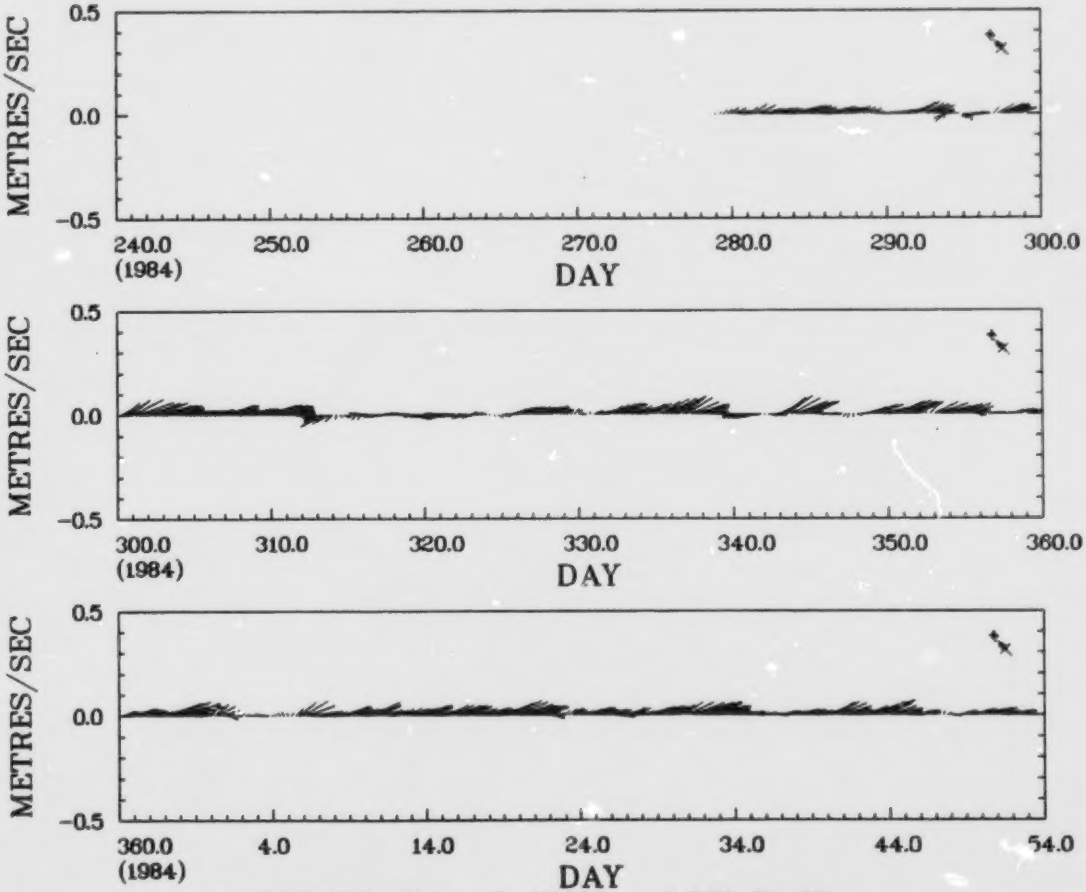
SOUTHWEST BAFFIN BAY 1984/5



MOORING 615 AT 260M - LOW PASS
SOUTHWESTERN BAFFIN BAY 1984/5



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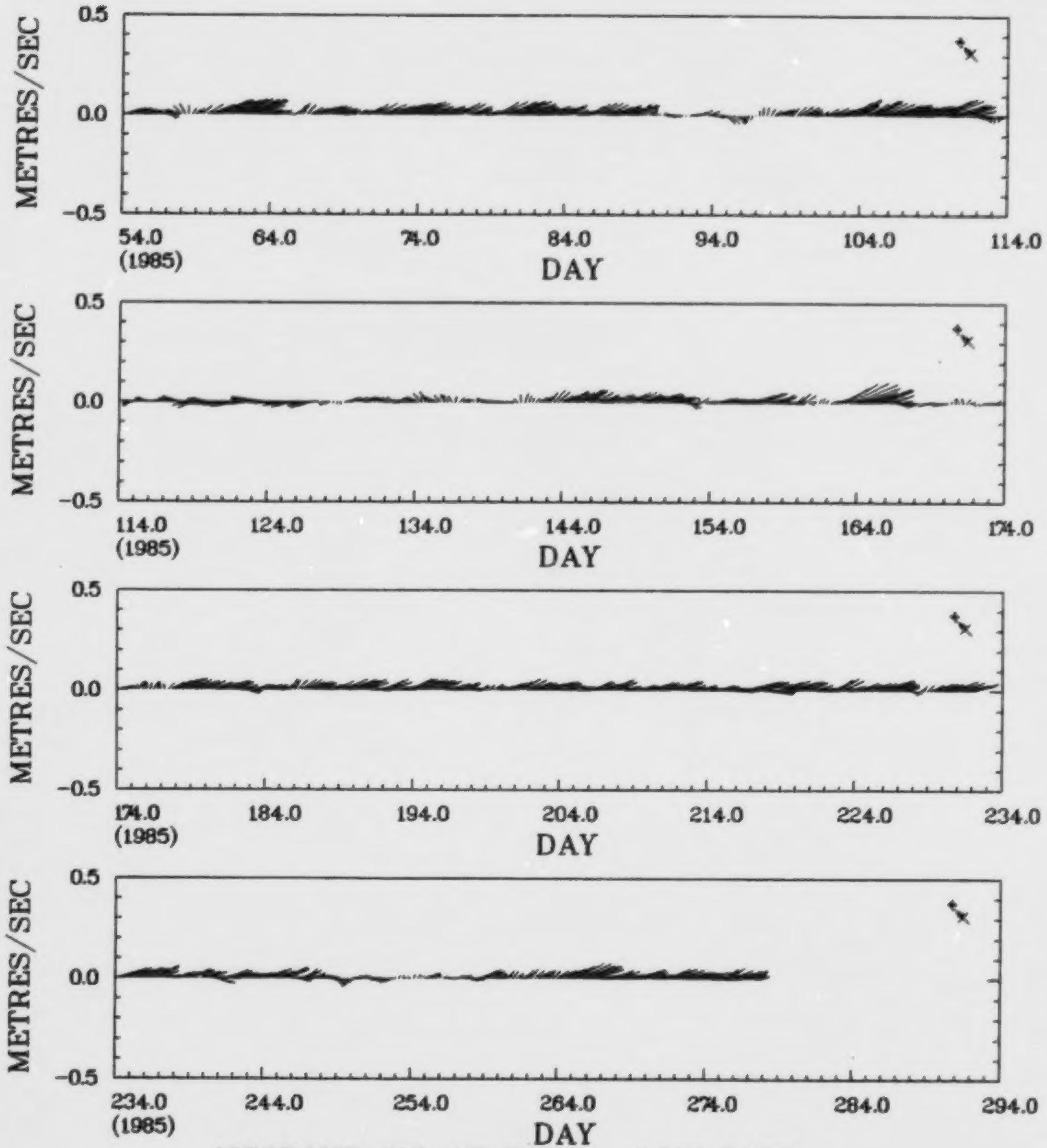
SOUTHWEST BAFFIN BAY 1984/5



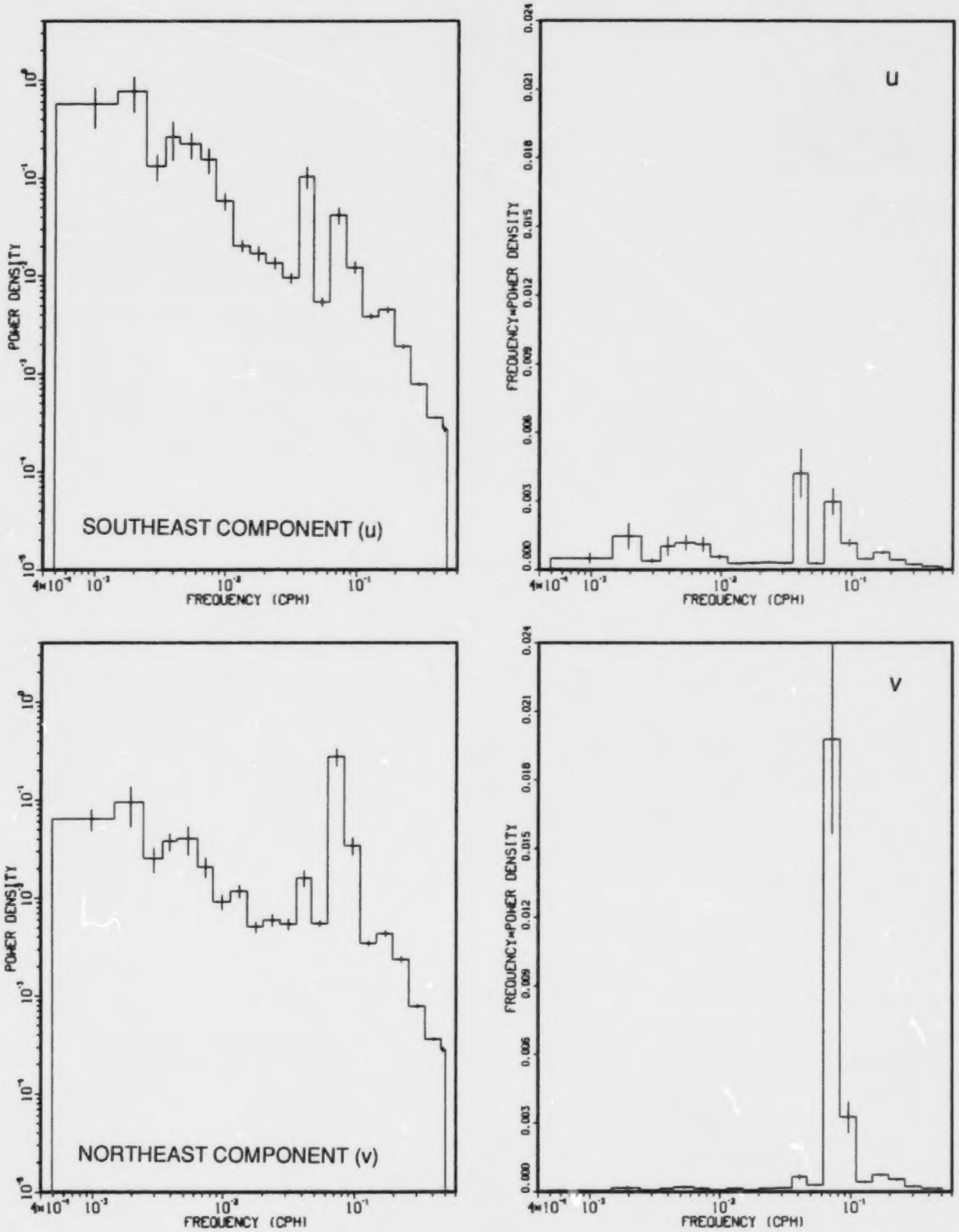
MOORING 615 AT 260M – LOW PASS
SOUTHWEST BAFFIN BAY 1984/5

Mooring 615
Depth 260 m

Tidal Analysis

370.5 d centred at day 095,1985

	Current Ellipse					Northeast Comp		Southeast Comp	
Const	**Major (m/s)**	**Minor (m/s)**	**Orien. (°T)**	**Phase (deg)**	**Sense**	**Amp. (m/s)**	**Phase (deg)**	**Amp. (m/s)**	**Phase (deg)**
K1	.038	.001	119	352	A	.011	357	.037	352
O1	.009	.002	108	281	A	.004	304	.008	275
M2	.109	.016	56	213	C	.107	211	.026	250
S2	.032	.004	63	260	C	.031	258	.011	281
N2	.020	.001	166	182	C	.019	181	.007	189
MF	.007	.001	127	16	C	.001	344	.007	17
M4	.004	.001	157	346	C	.004	342	.001	42
MS4	.004	.002	122	239	C	.004	53	.003	165



MOORING 615 AT 260M
SOUTHWEST BAFFIN BAY 1984/5

Mooring 615
Depth 360 m

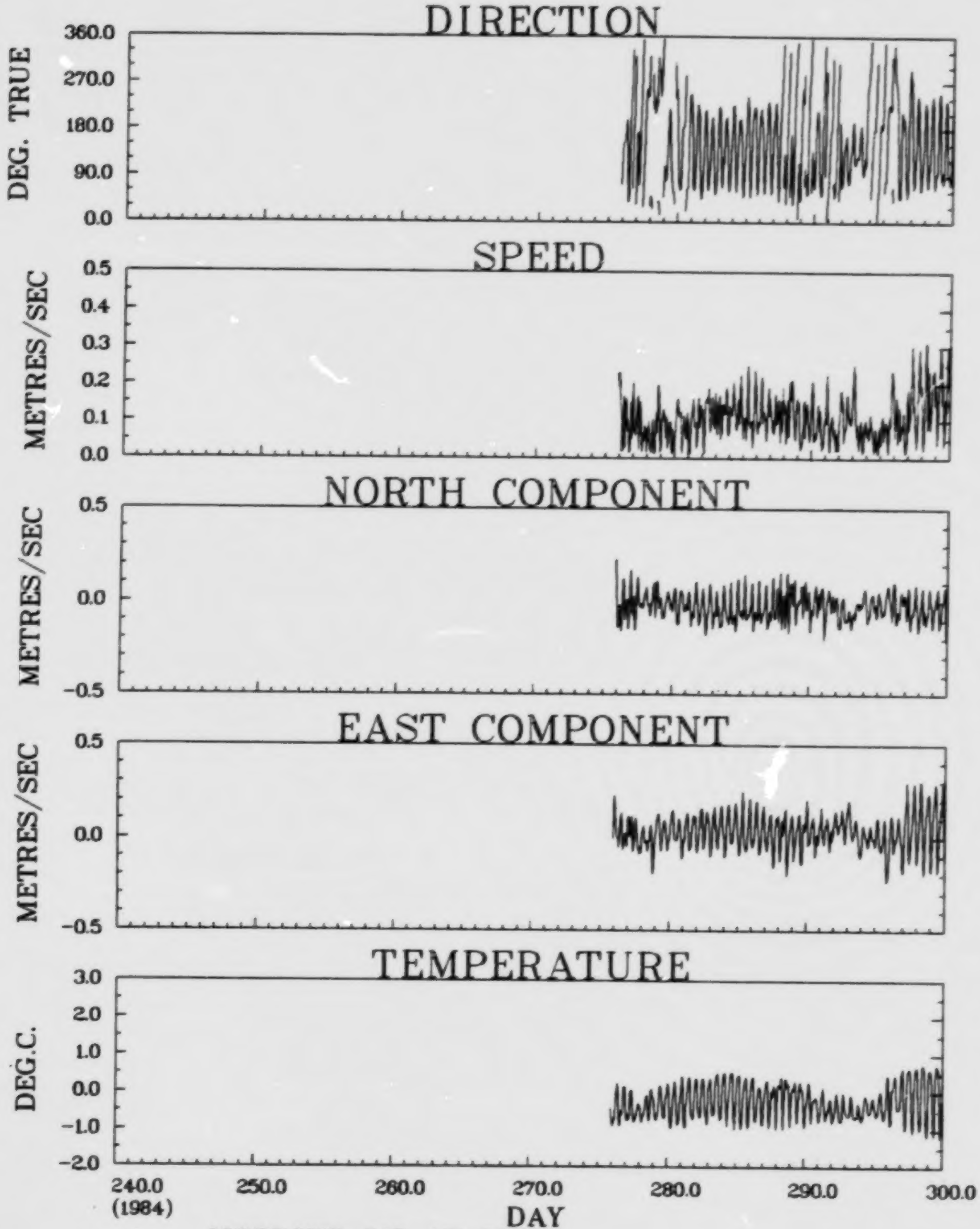
Latitude	67° 40.6N	Deployment	2224Z 1 Oct., 1984
Longitude	62° 33.0W	Recovery	1110Z 7 Oct., 1985
Water Depth	385 m	Duration	370 d

RECORD LENGTH STATISTICS

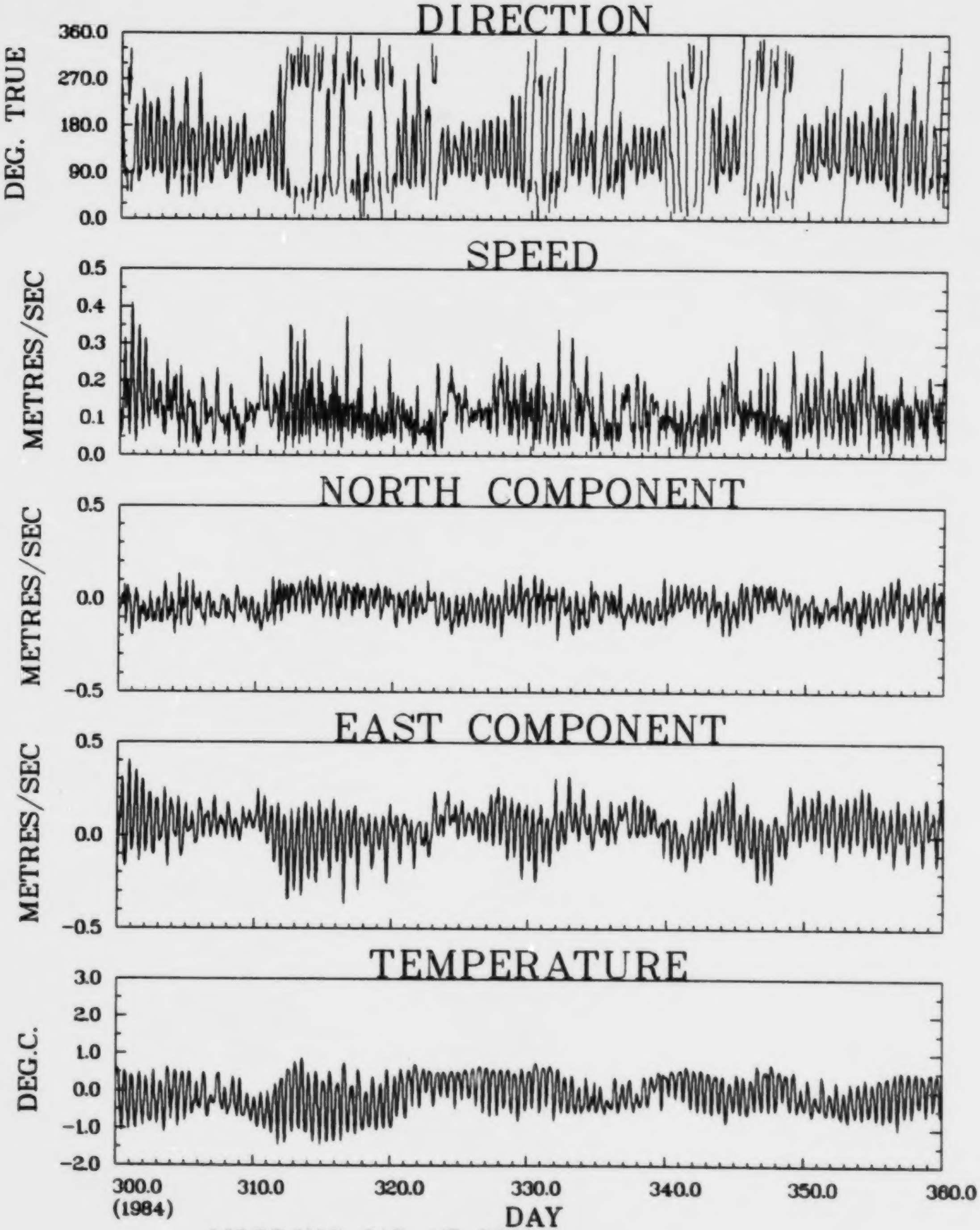
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Temperature (T)	°C	8893	-1.45	0.94	-0.08	0.42
Speed (R)	ms^{-1}	8893	0.015	0.410	0.127	0.060
Northeast Component (V)	ms^{-1}	8893	-.304	0.339	0.013	0.100
Southeast Component (U)	ms^{-1}	8893	-.257	0.323	0.062	0.075

MONTHLY MEANS

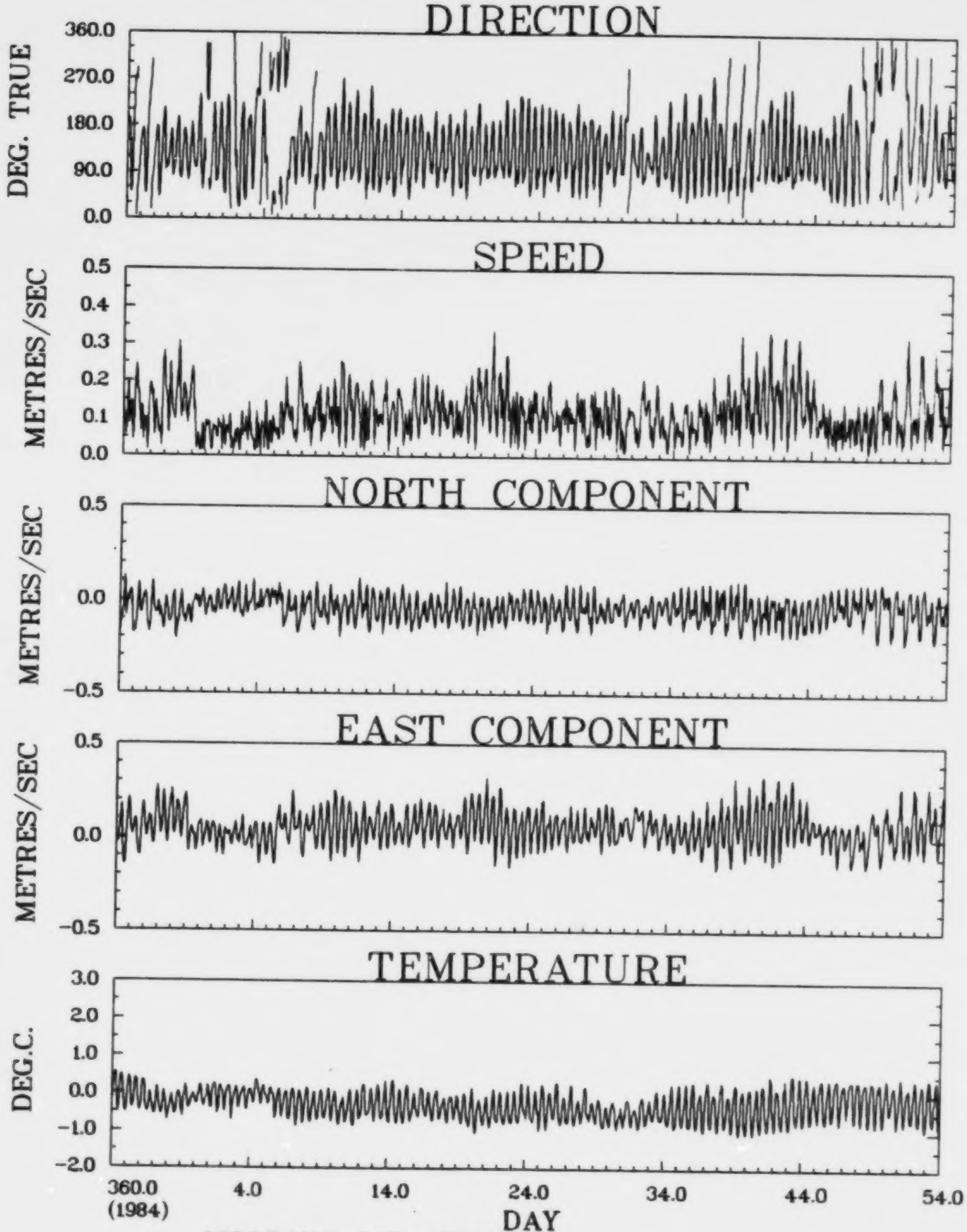
	Samples	T	R	V	U
October	722	-0.23±0.46	0.117±.064	0.009±.098	0.049±.075
November	720	-0.09±0.52	0.120±.060	0.009±.096	0.044±.083
December	744	-0.06±0.38	0.119±.057	0.013±.088	0.059±.077
January	744	-0.32±0.32	0.111±.053	0.012±.083	0.065±.061
February	672	-0.25±0.42	0.120±.059	0.009±.094	0.062±.071
March	744	-0.15±0.39	0.128±.062	0.013±.092	0.083±.070
April	720	-0.02±0.45	0.124±.061	0.009±.097	0.050±.085
May	744	-0.02±0.41	0.128±.054	0.008±.105	0.051±.075
June	720	0.13±0.42	0.141±.056	0.020±.111	0.066±.077
July	744	0.06±0.32	0.139±.061	0.017±.111	0.074±.070
August	744	0.02±0.32	0.139±.067	0.018±.112	0.081±.066
September	720	0.02±0.32	0.132±.063	0.018±.110	0.059±.075
October	155	-0.14±0.31	0.119±.054	0.008±.098	0.069±.052



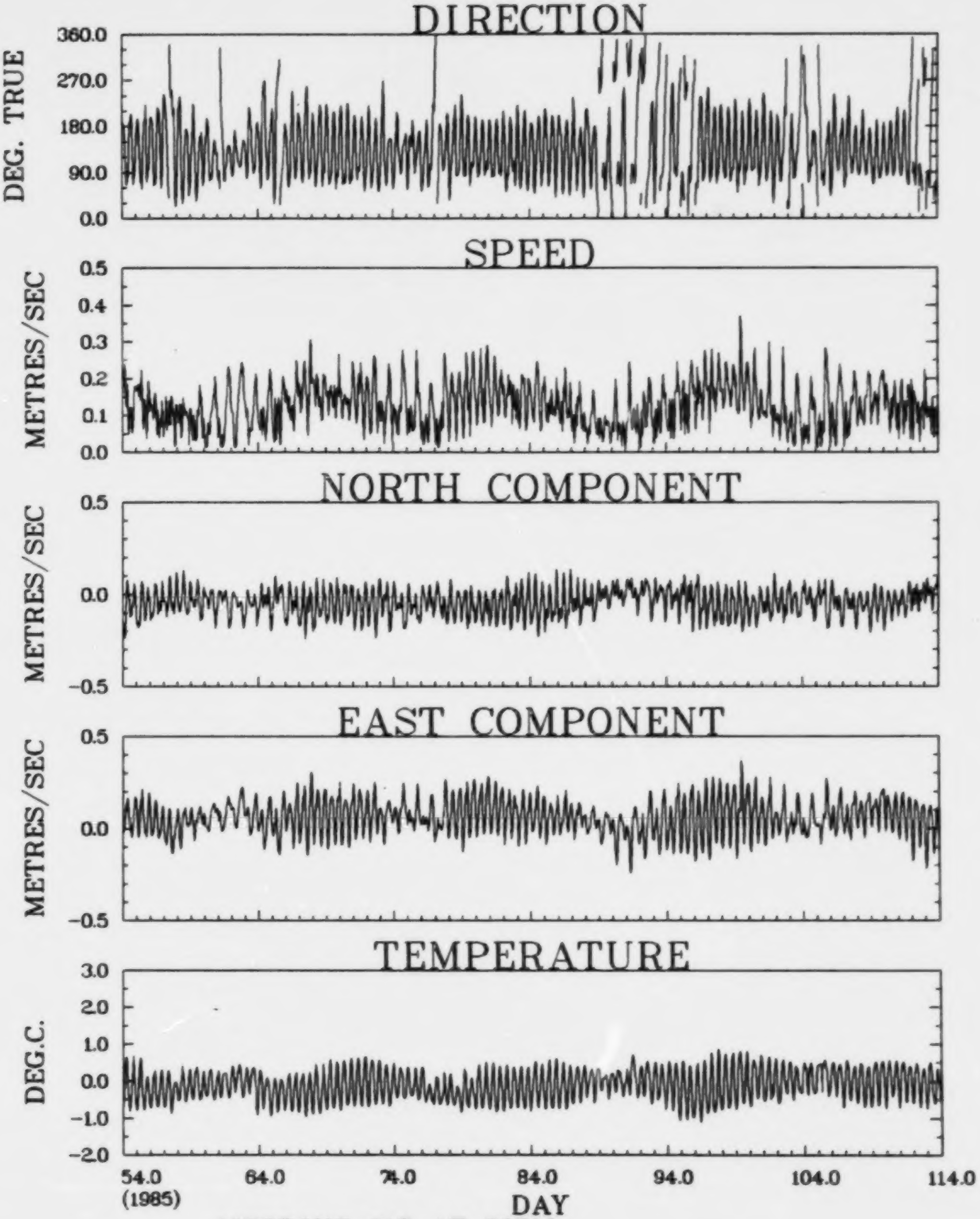
MOORING 615 AT 360M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 615 AT 360M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 615 AT 360M
SOUTHWEST BAFFIN BAY 1984/5



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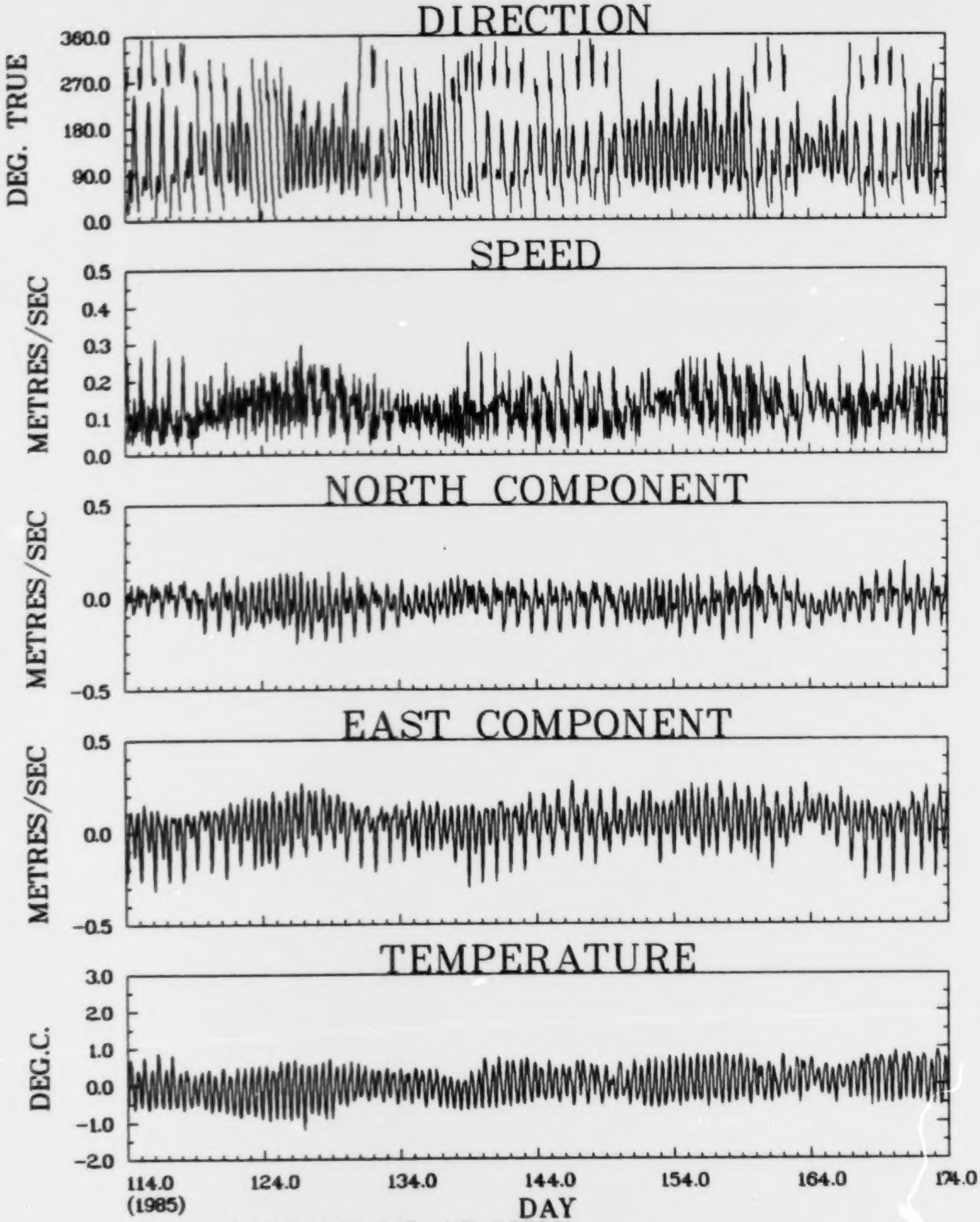
SOUTHWEST BAFFIN BAY 1984/5



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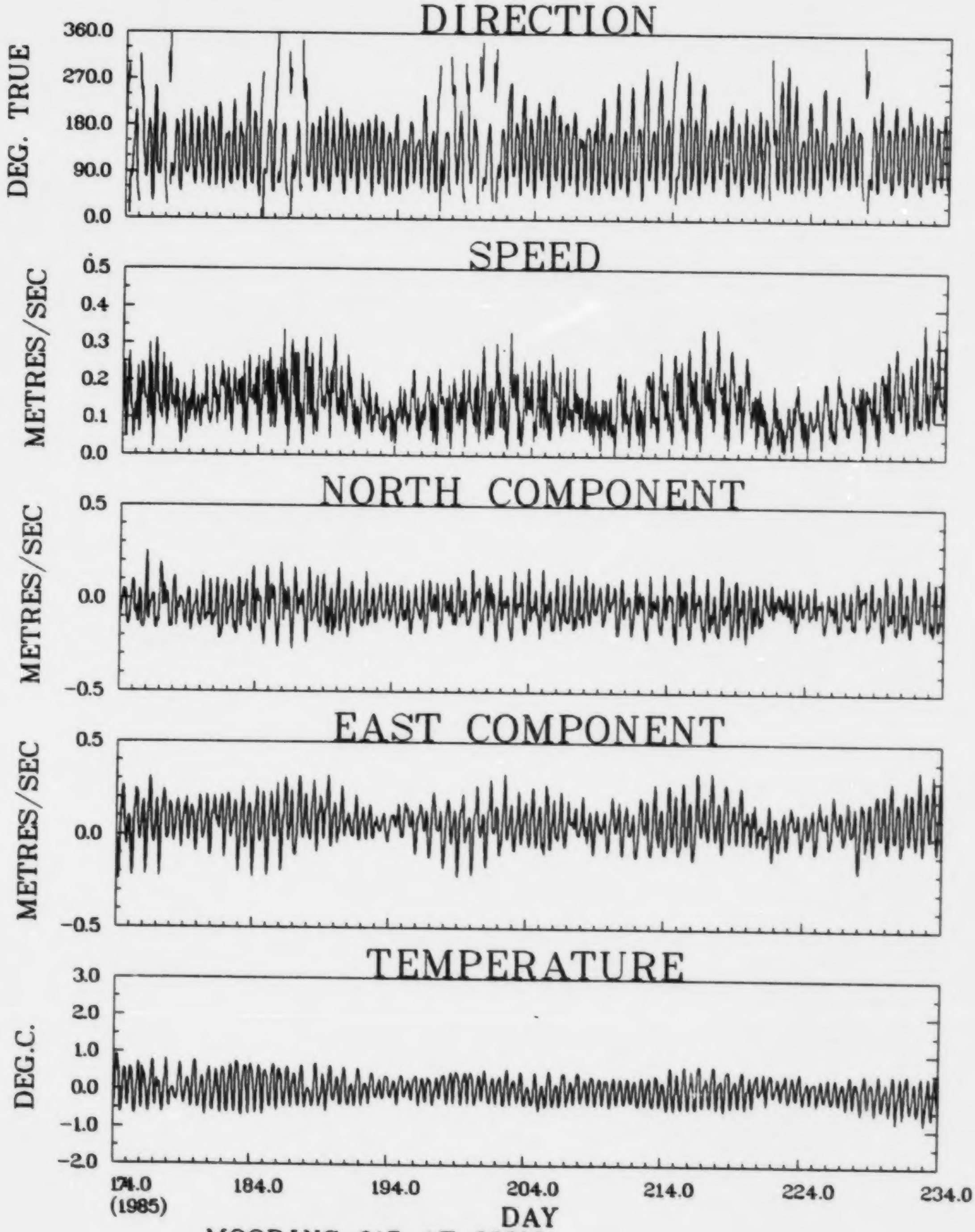

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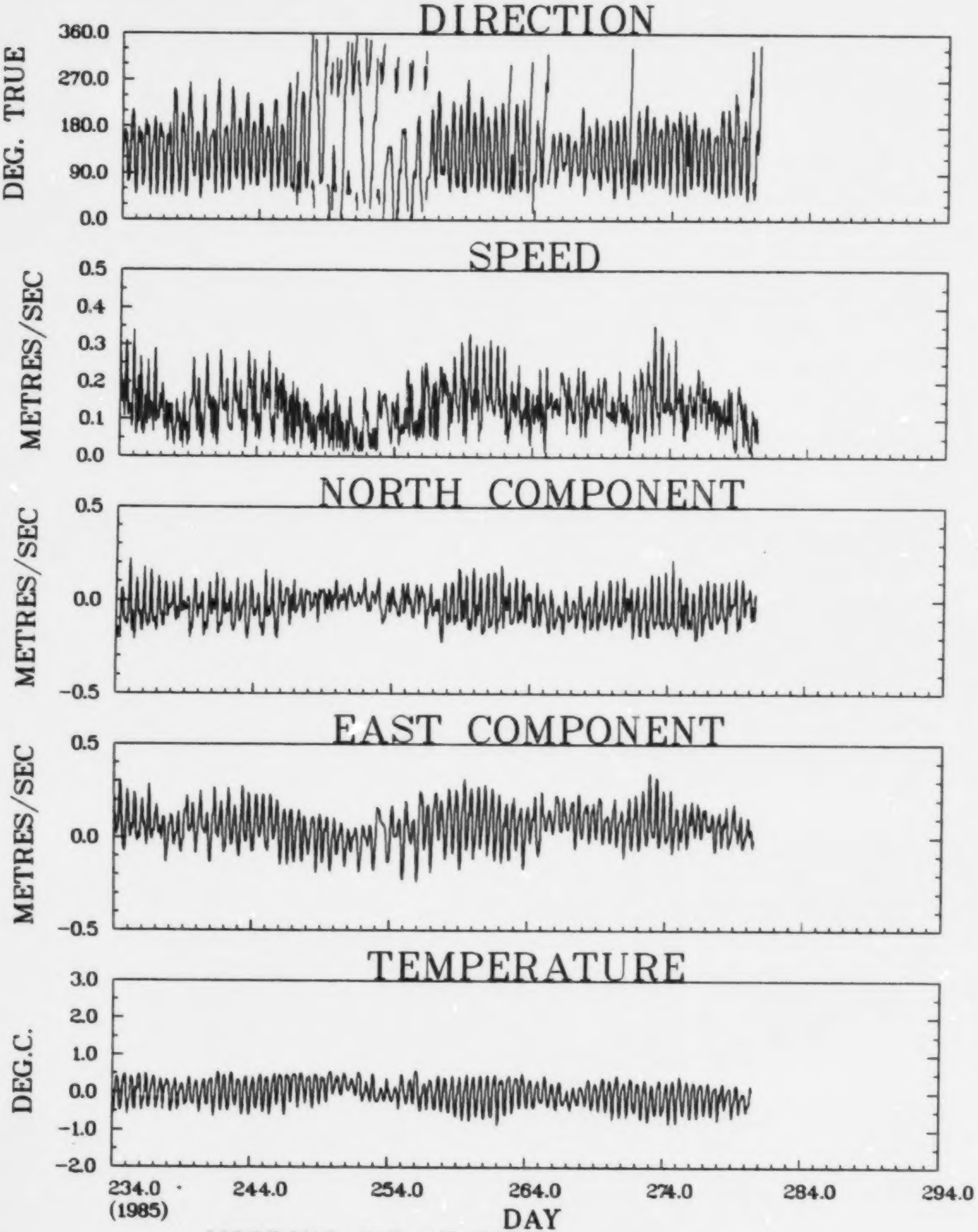

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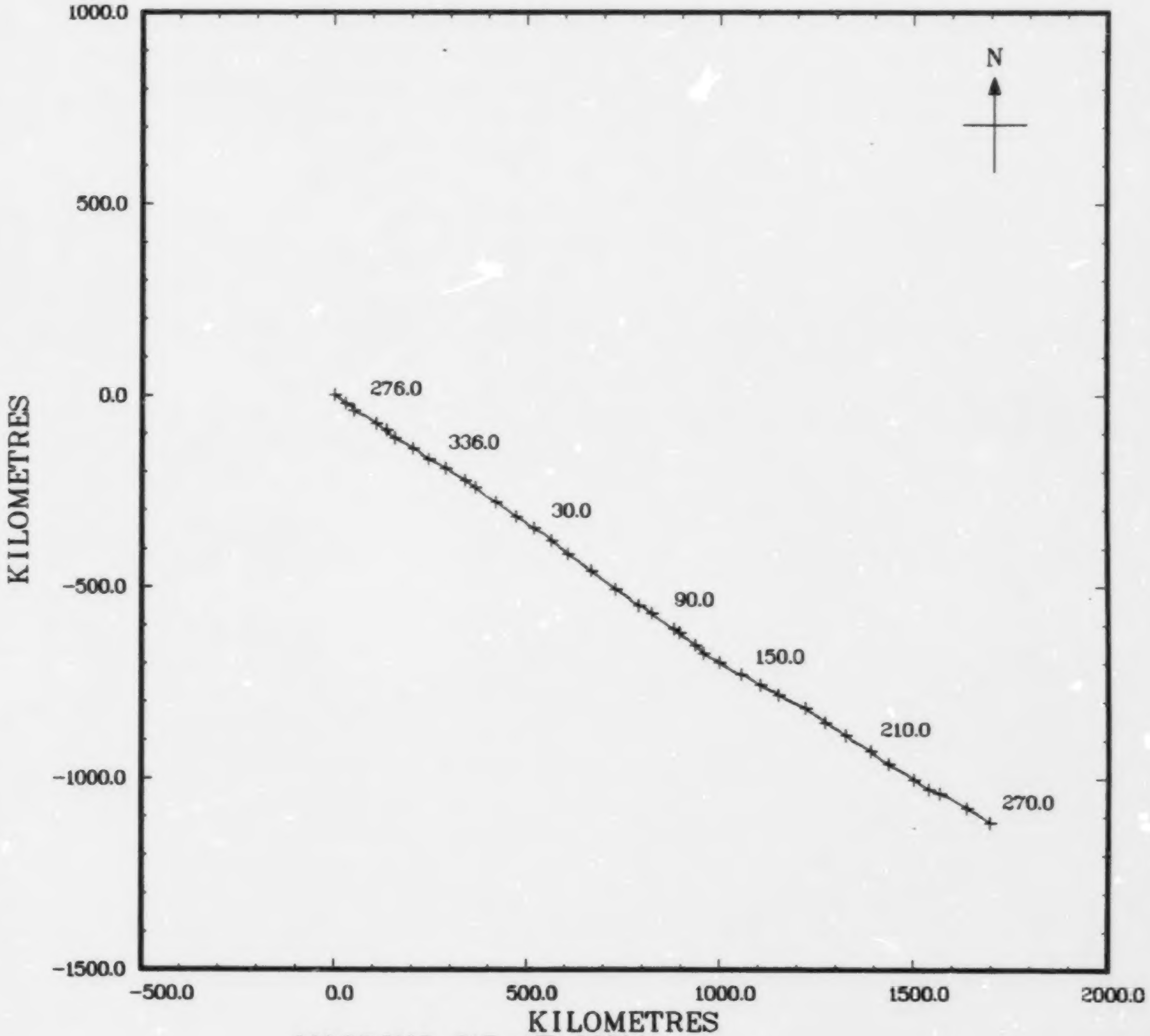

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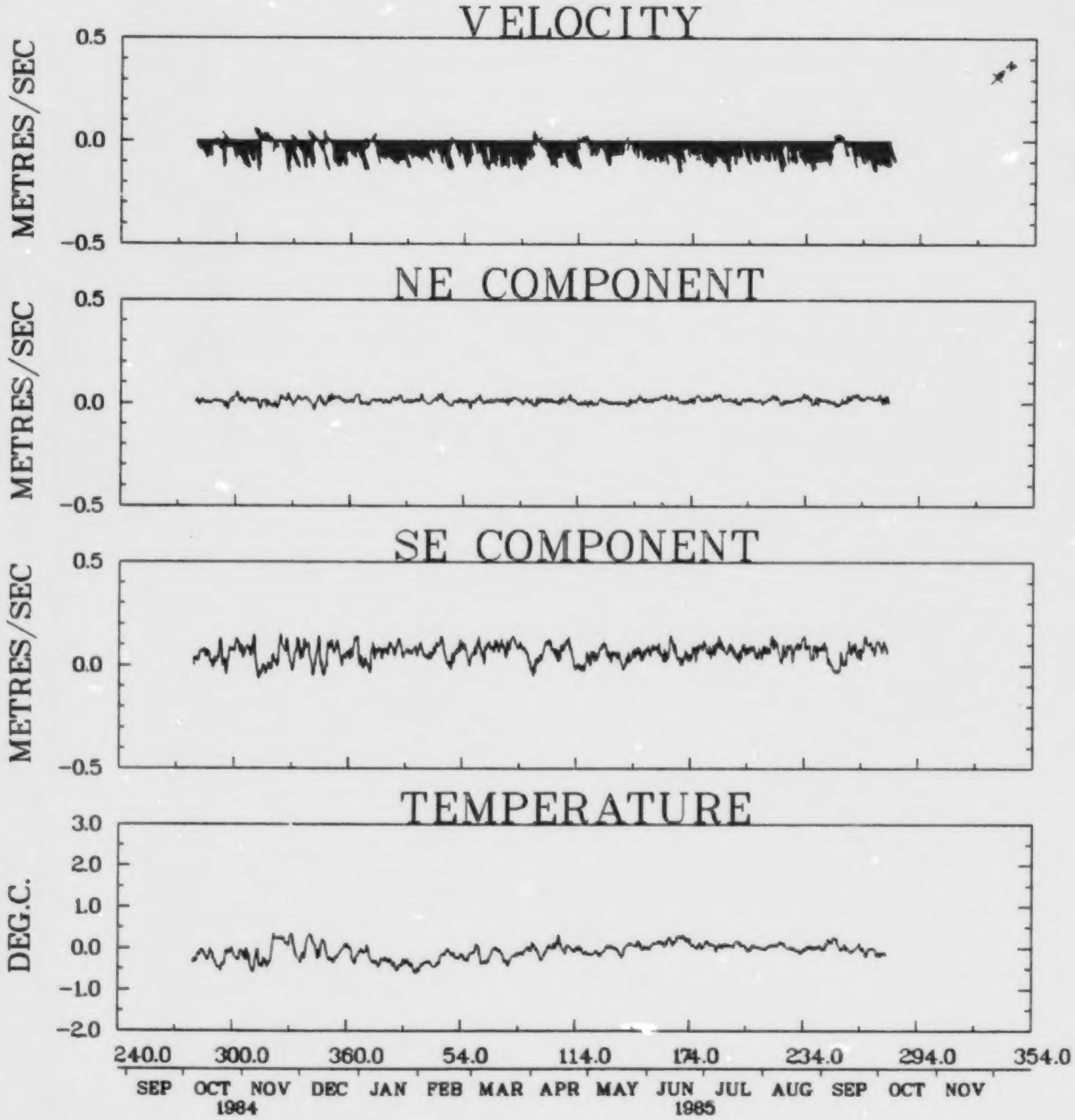
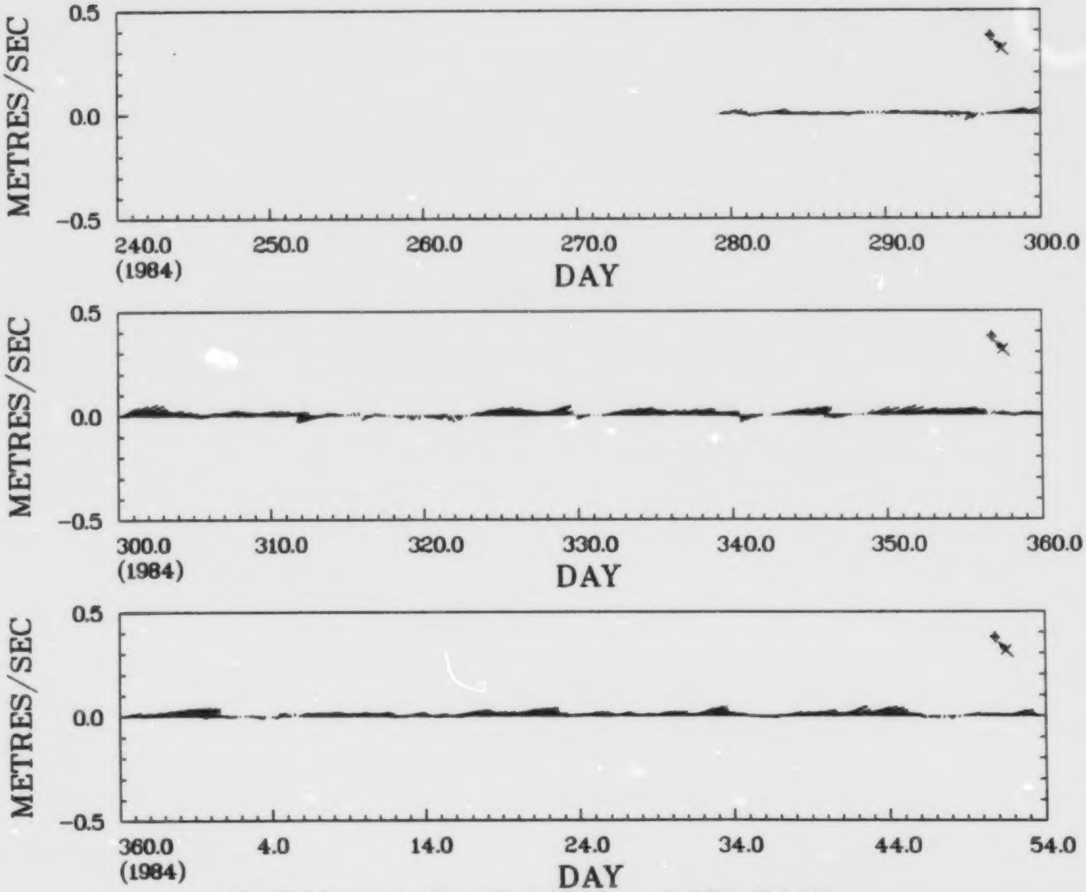
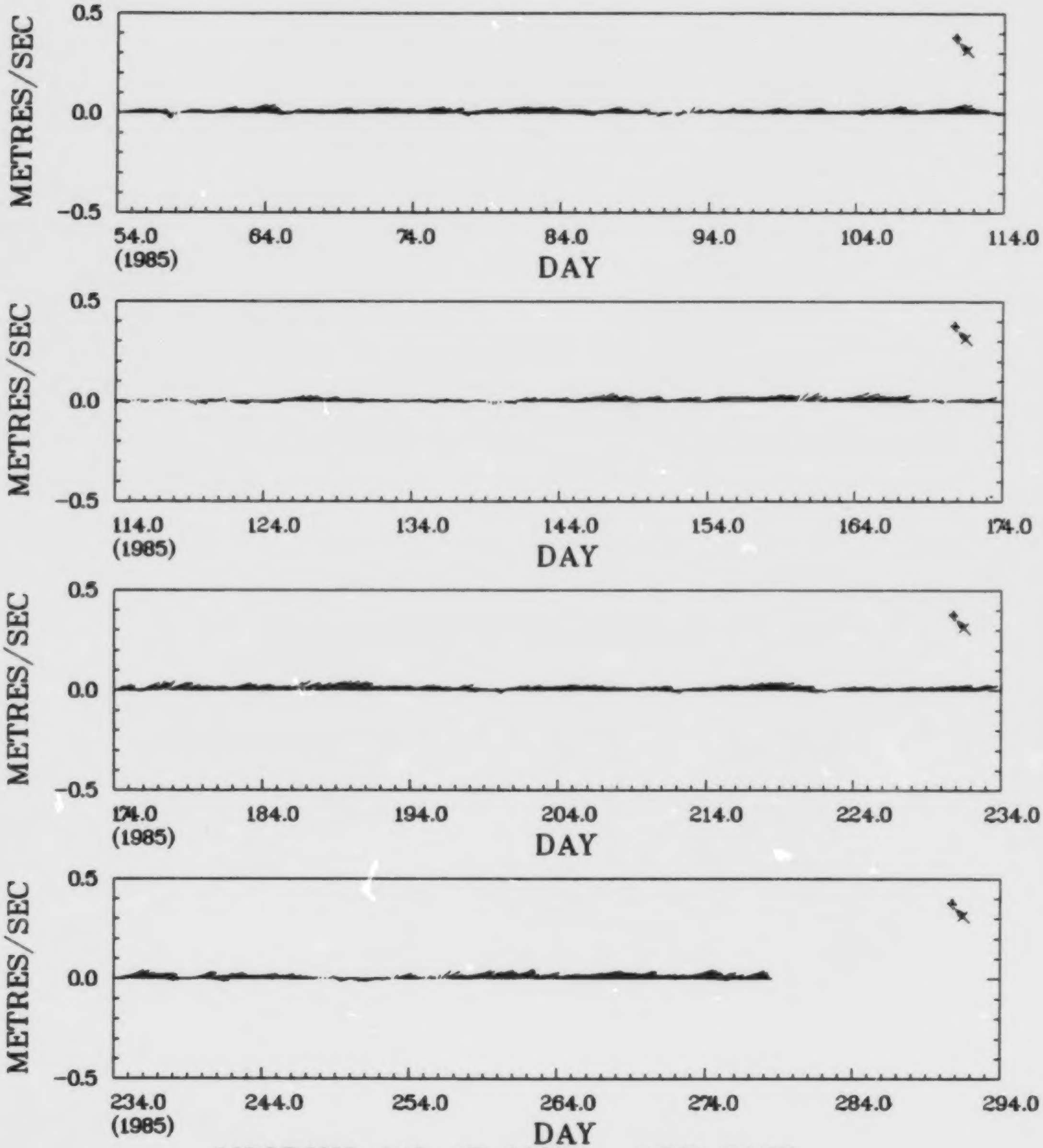
SOUTHWEST BAFFIN BAY 1984/5



MOORING 615 AT 360M - LOW PASS
SOUTHWESTERN BAFFIN BAY 1984/5



MOORING 615 AT 360M - LOW PASS
SOUTHWEST BAFFIN BAY 1984/5



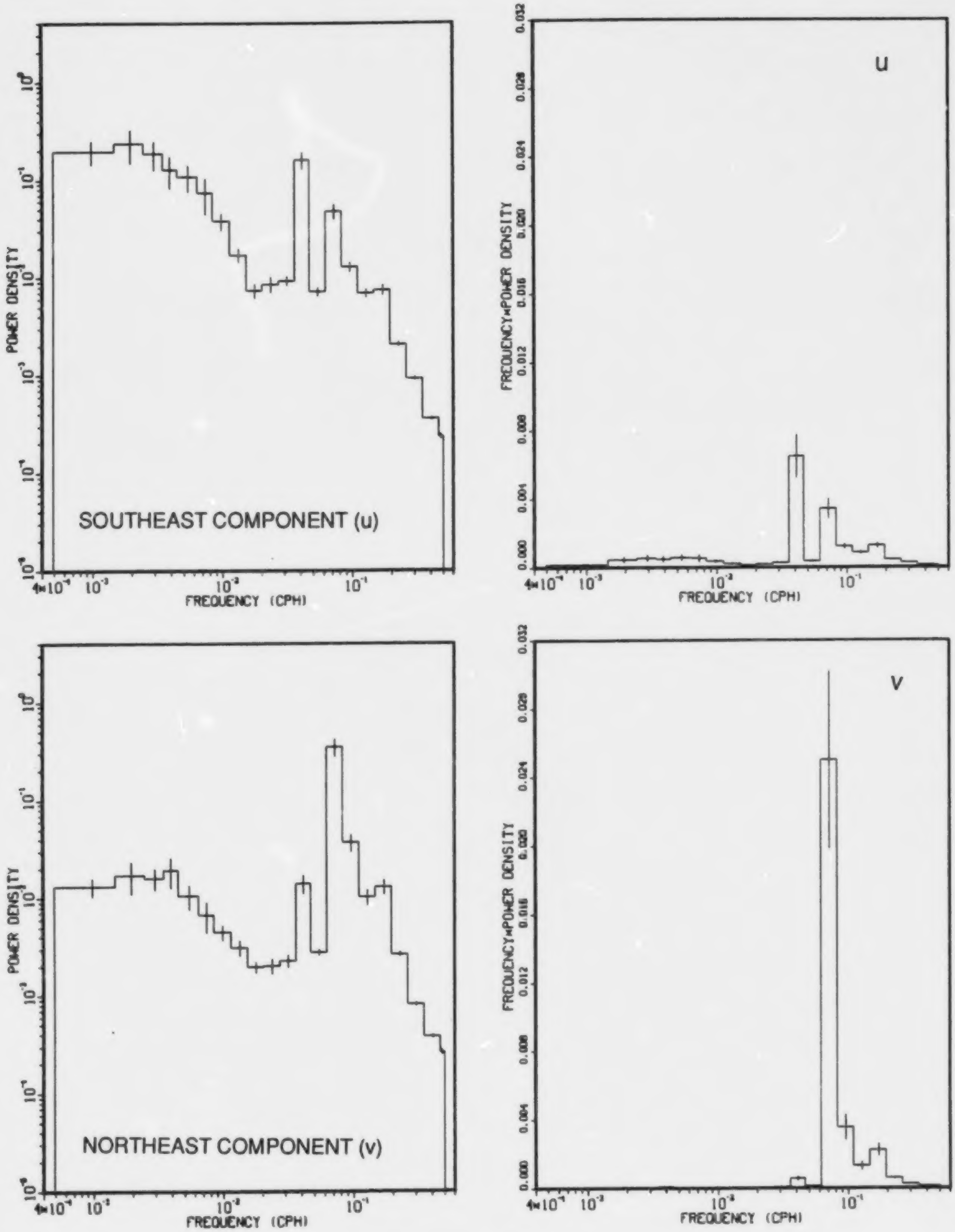
MOORING 615 AT 360M – LOW PASS
SOUTHWEST BAFFIN BAY 1984/5

Mooring 615
Depth 360 m

Tidal Analysis

370.5 d centred at day 095,1985

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.040	.008	125	6	C	.011	316	.039	8
O1	.026	.003	128	298	C	.004	260	.026	298
M2	.124	.012	56	188	C	.122	187	.027	215
S2	.034	.003	60	241	C	.032	240	.009	261
N2	.026	.009	66	161	C	.024	154	.013	205
MF	.011	.000	121	9	C	.003	5	.011	9
M4	.021	.014	26	68	C	.020	81	.015	185
MS4	.012	.009	2	109	C	.010	144	.010	251



MOORING 615 AT 360M
SOUTHWEST BAFFIN BAY 1984/5

Mooring 616
Depth 235 m

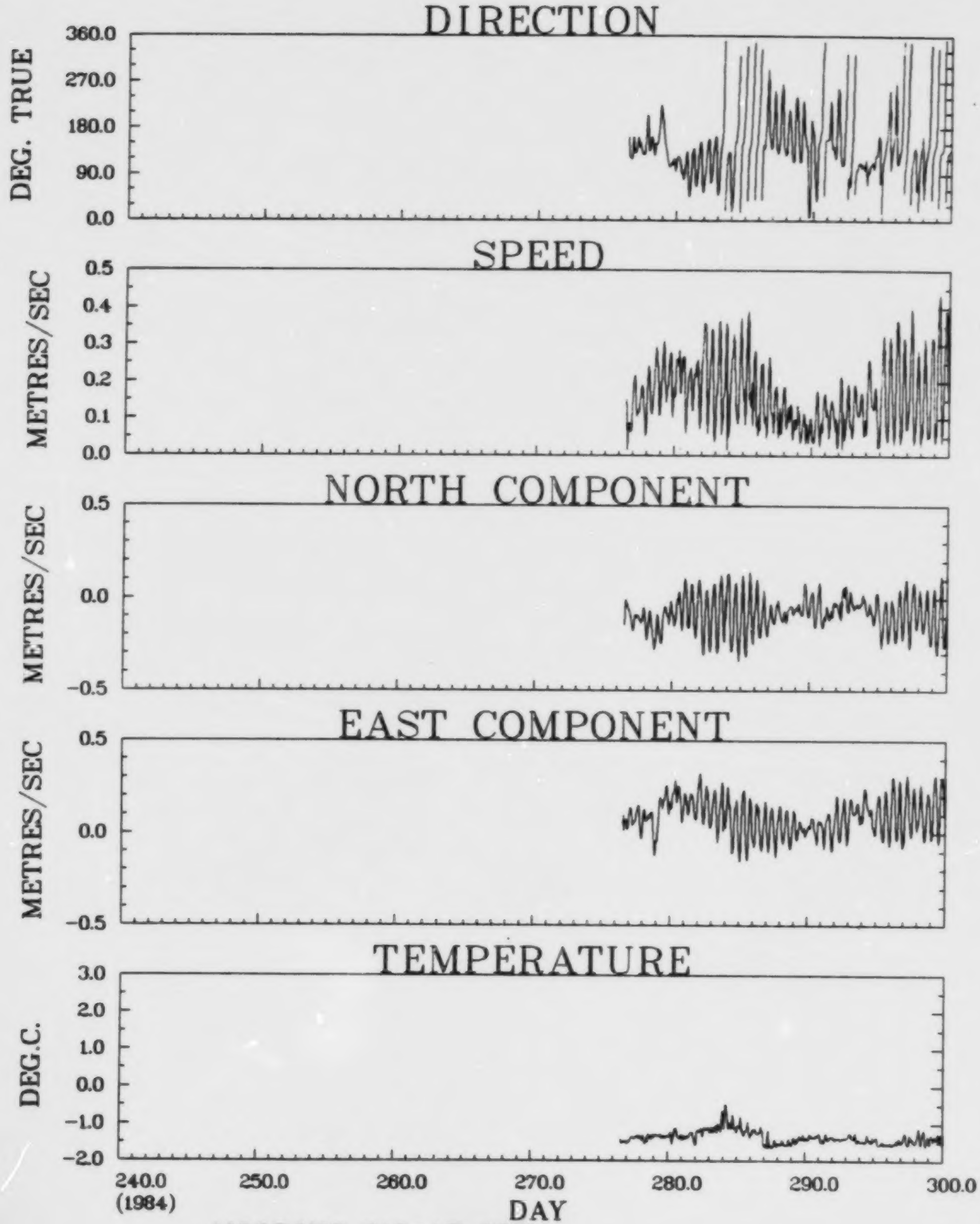
Latitude	67° 45.8N	Deployment	1235Z 2 Oct., 1984
Longitude	62° 17.6W	Recovery	2046Z 6 Oct., 1985
Water Depth	1035 m	Duration	369 d

RECORD LENGTH STATISTICS

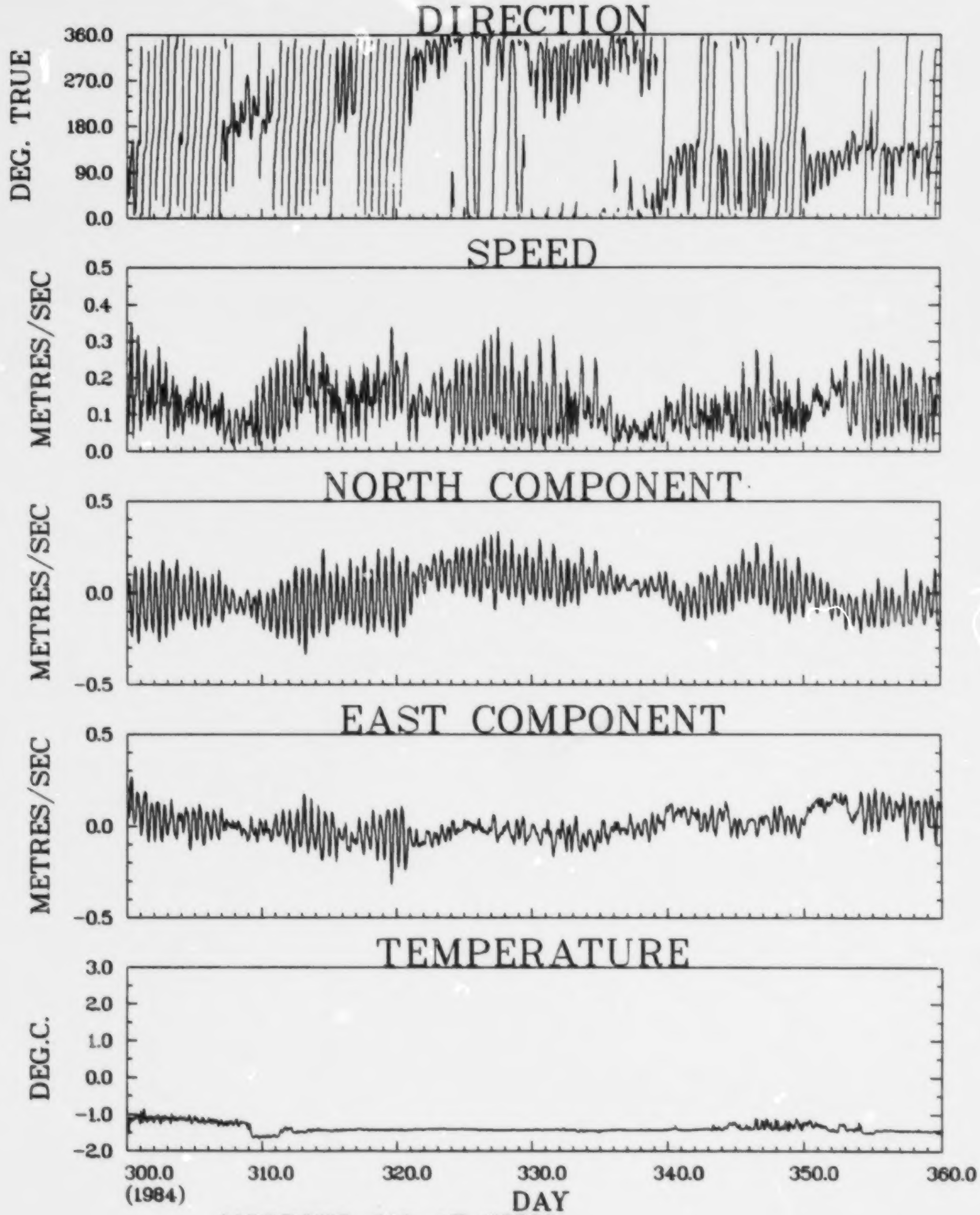
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	8864	219	228	223	1.0
Temperature (T)	°C	8864	-1.79	-0.47	-1.40	0.18
Speed (R)	ms^{-1}	8864	0.015	0.438	0.120	0.067
Northeast Component (V)	ms^{-1}	8864	-.320	0.263	-.001	0.072
Southeast Component (U)	ms^{-1}	8864	-.329	0.438	0.036	0.111

MONTHLY MEANS

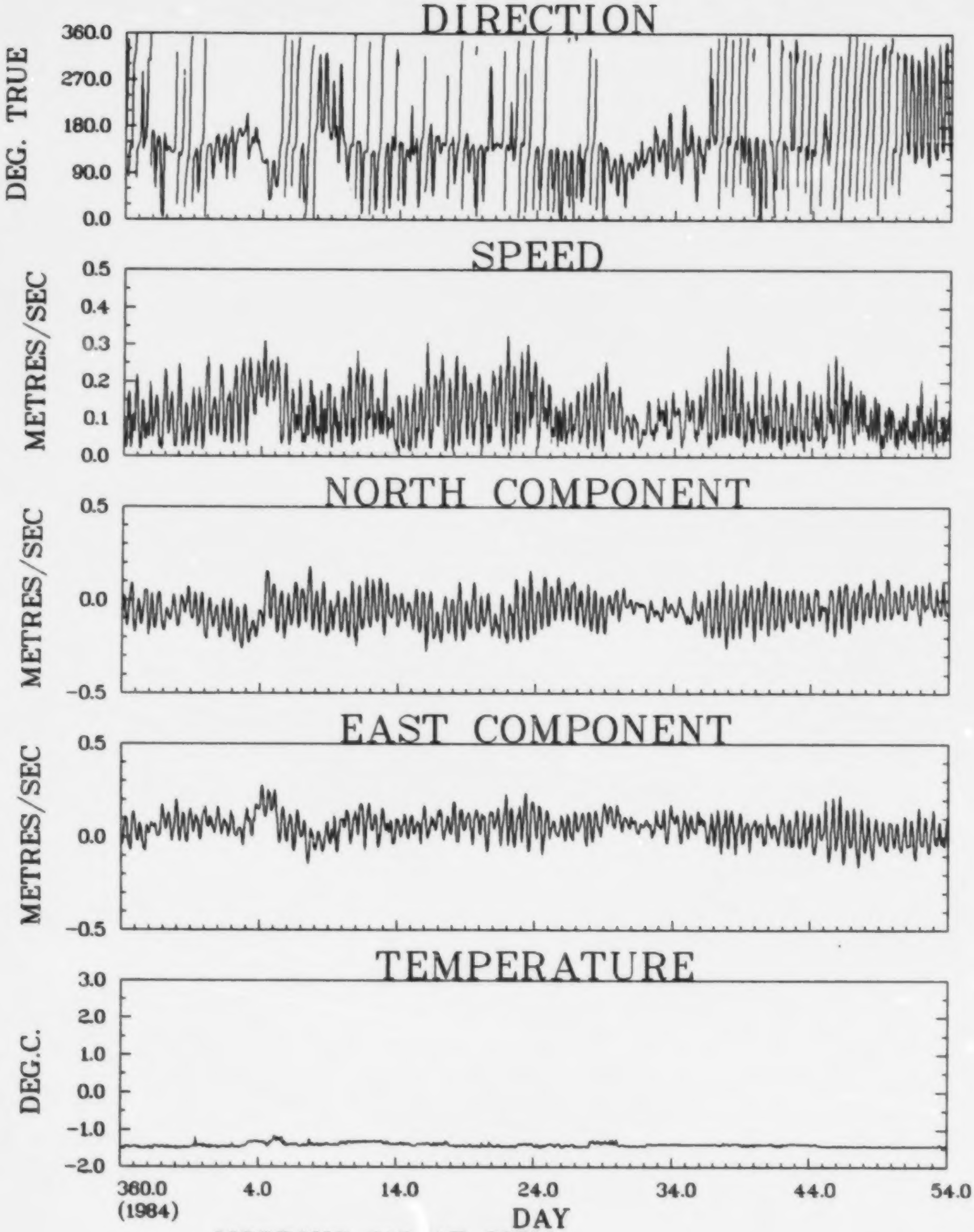
	Samples	T	R	V	U
October	707	-1.31±0.18	0.157±.085	0.006±.078	0.109±.118
November	720	-1.41±0.08	0.131±.072	0.009±.093	0.043±.109
December	744	-1.40±0.07	0.109±.060	0.022±.051	0.054±.097
January	744	-1.39±0.05	0.126±.068	0.006±.057	0.090±.096
February	672	-1.40±0.04	0.096±.051	0.002±.046	0.039±.090
March	744	-1.35±0.12	0.096±.060	-.020±.054	0.030±.093
April	720	-1.42±0.23	0.107±.053	-.024±.059	0.016±.100
May	744	-1.67±0.10	0.116±.062	-.007±.066	-.020±.112
June	720	-1.42±0.29	0.128±.069	0.000±.092	0.019±.112
July	744	-1.31±0.16	0.120±.053	0.006±.074	0.037±.101
August	744	-1.36±0.22	0.121±.070	0.011±.068	0.045±.112
September	720	-1.43±0.15	0.131±.067	-.010±.093	0.041±.107
October	141	-1.31±0.10	0.119±.065	0.006±.046	0.091±.090



MOORING 616 AT 235M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 616 AT 235M
SOUTHWEST BAFFIN BAY 1984/5



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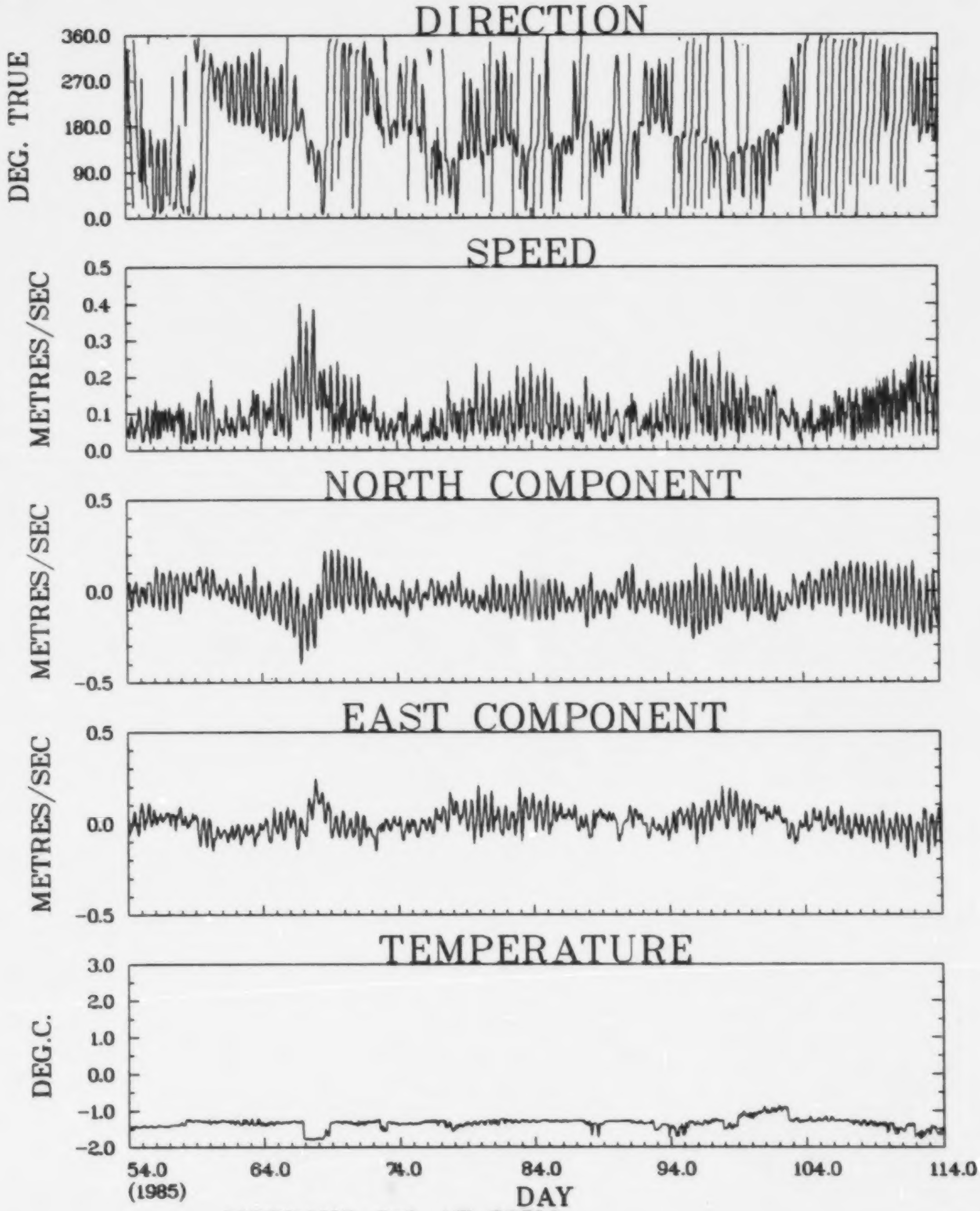
SOUTHWEST BAFFIN BAY 1984/5



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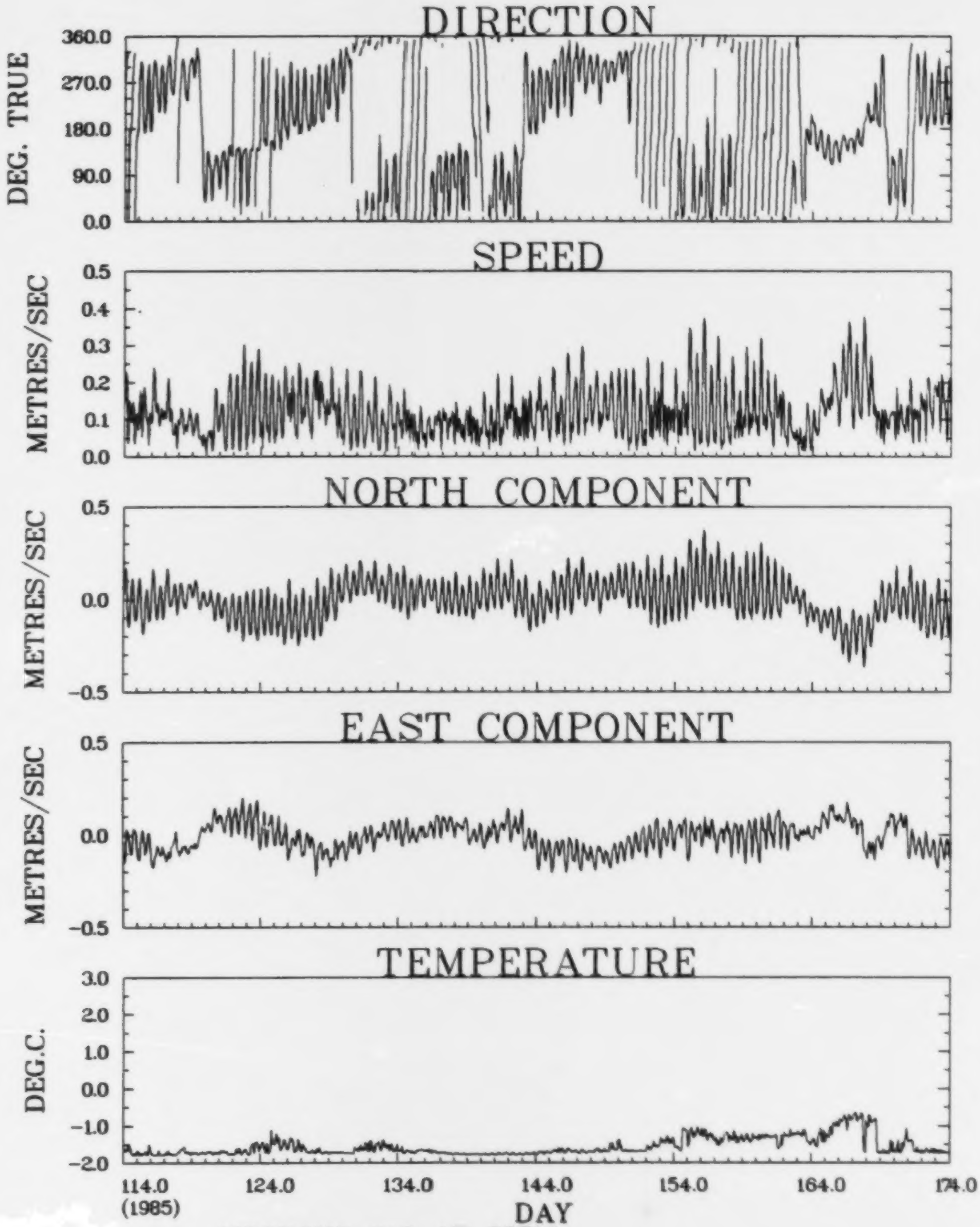

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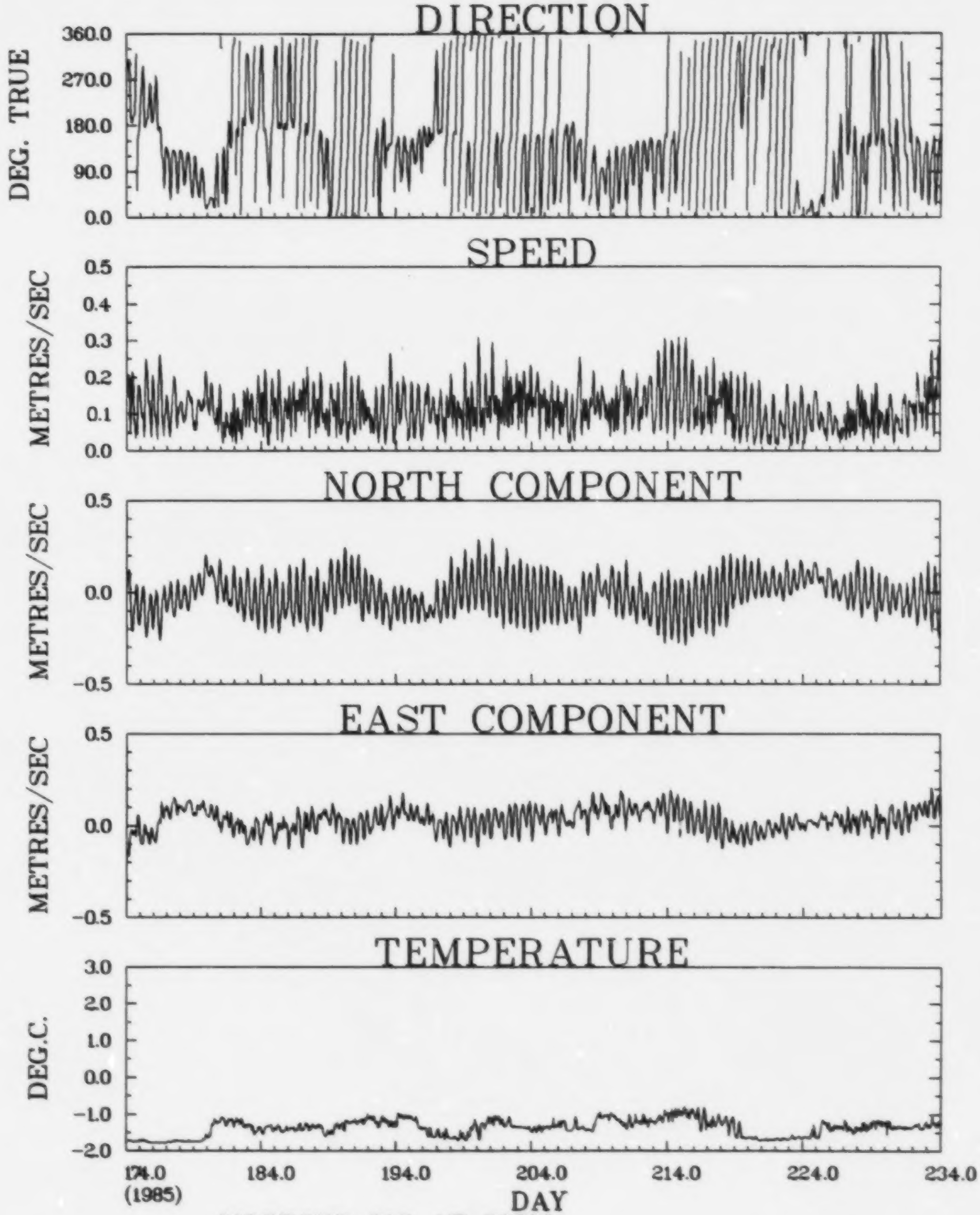

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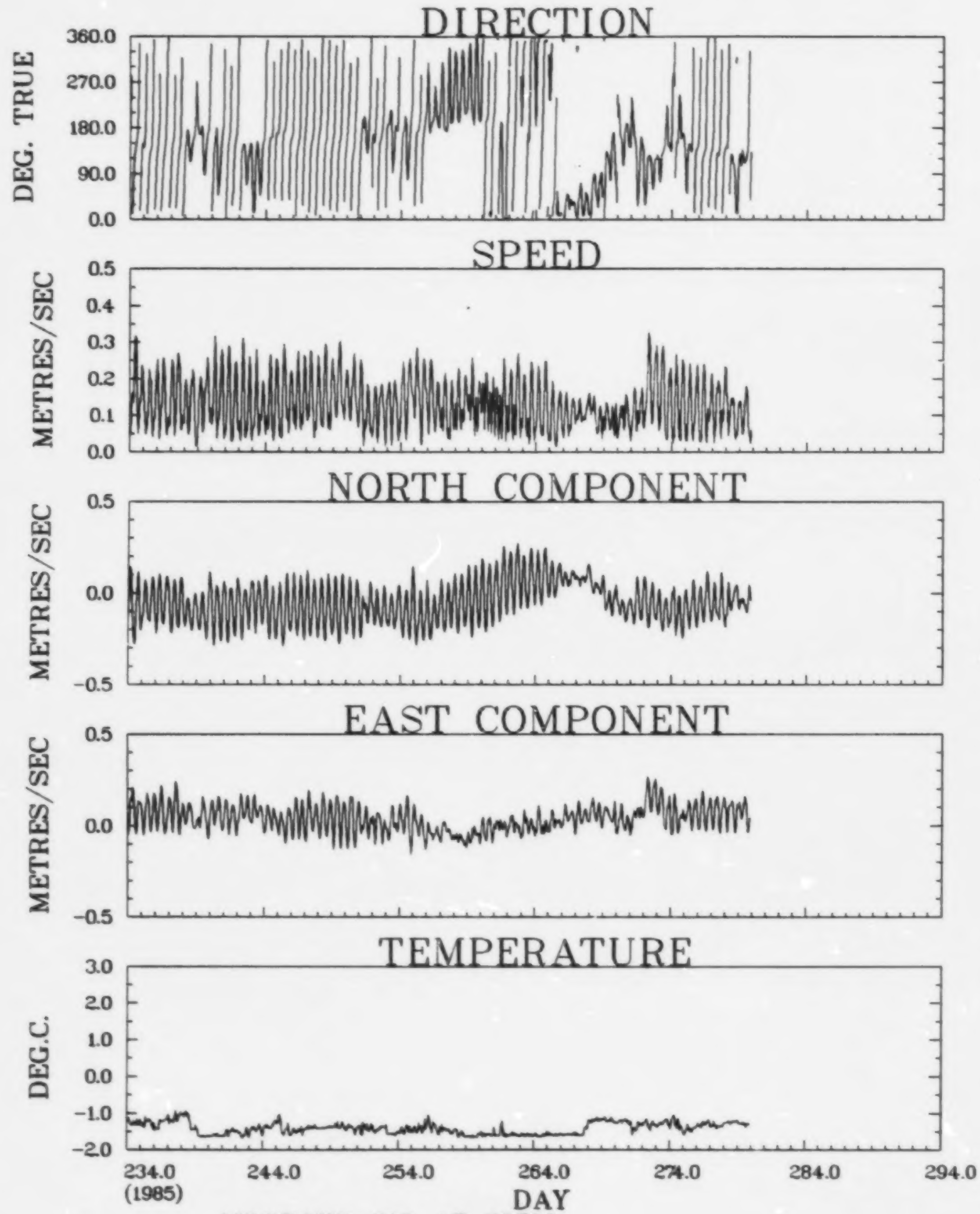
SOUTHWEST BAFFIN BAY 1984/5



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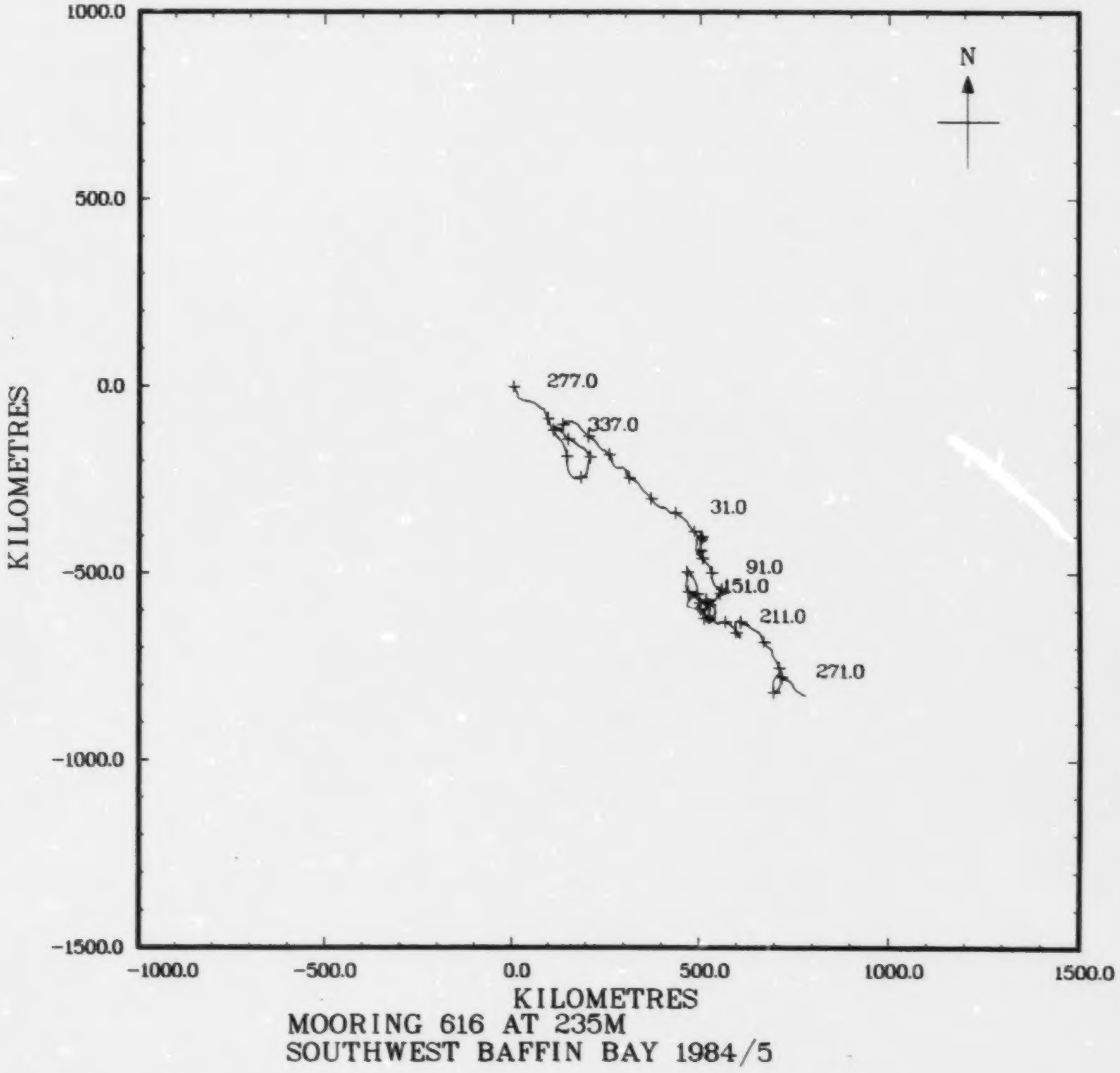
SOUTHWEST BAFFIN BAY 1984/5



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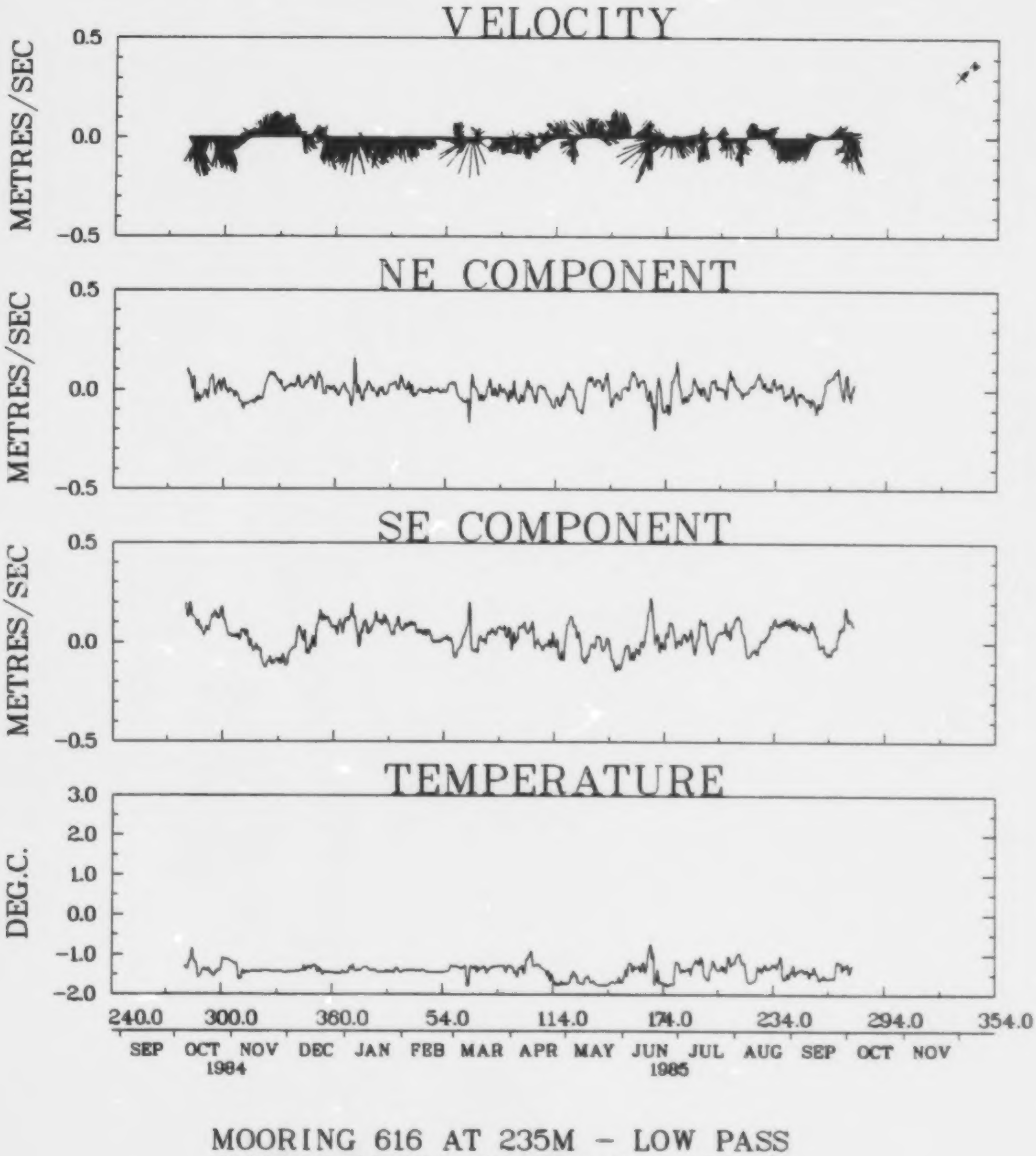
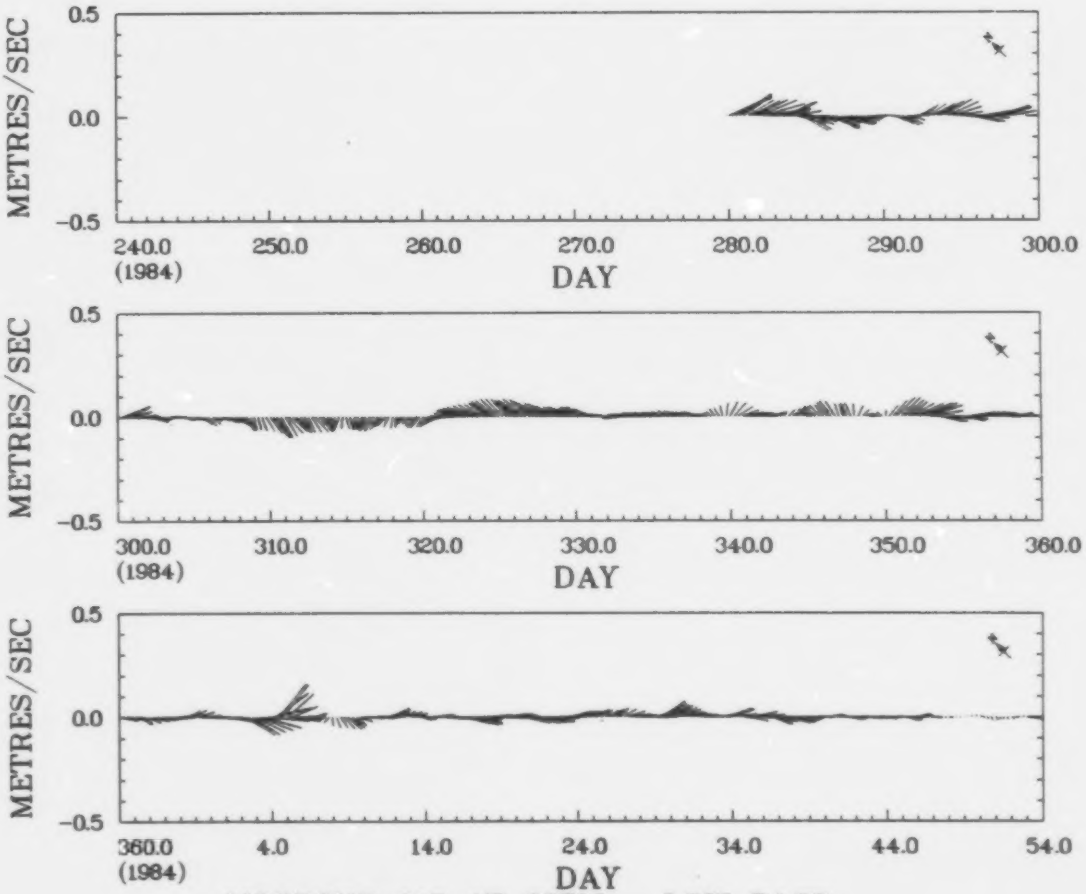
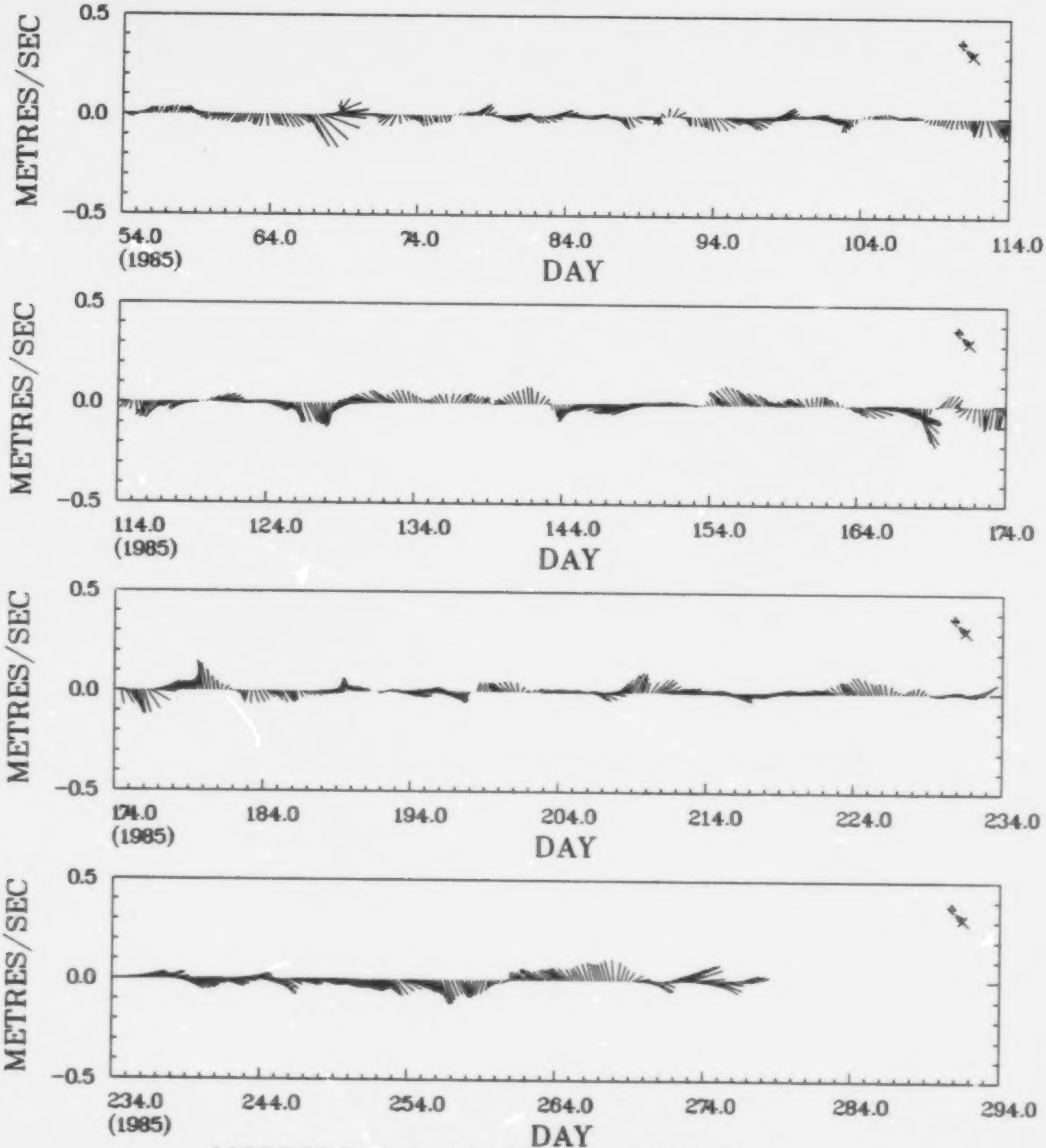
SOUTHWEST BAFFIN BAY 1984/5



MOORING 616 AT 235M - LOW PASS
SOUTHWESTERN BAFFIN BAY 1984/5



MOORING 616 AT 235M - LOW PASS
SOUTHWEST BAFFIN BAY 1984/5



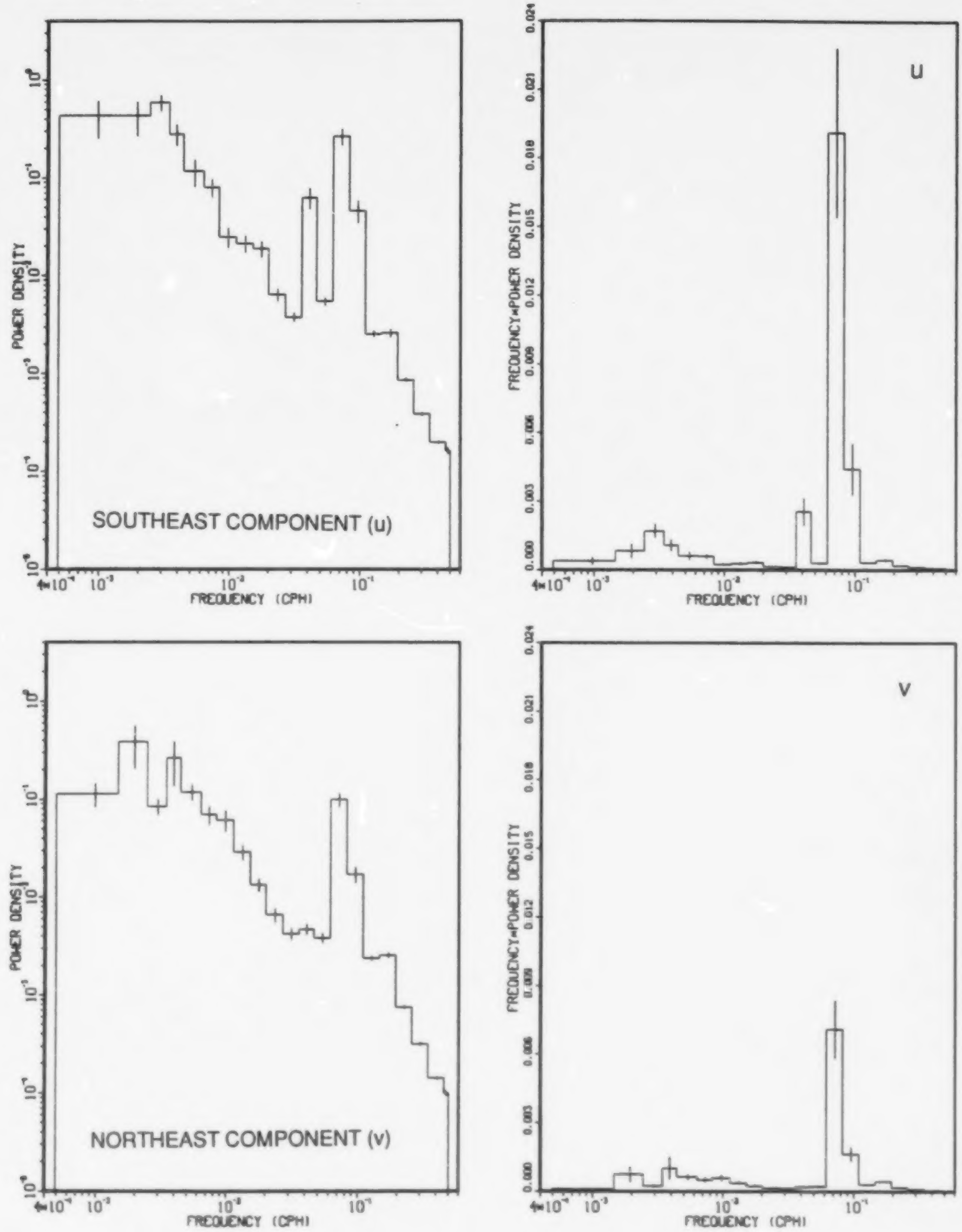
MOORING 616 AT 235M - LOW PASS
SOUTHWEST BAFFIN BAY 1984/5

Mooring 616
Depth 235 m

Tidal Analysis

369.4 d centred at day 095,1985

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.029	.002	135	22	A	.002	114	.029	22
O1	.010	.002	138	342	A	.002	88	.010	343
M2	.107	.014	161	195	C	.048	30	.096	191
S2	.041	.008	152	244	C	.014	96	.039	241
N2	.017	.002	160	175	A	.007	343	.016	178
MF	.015	.000	122	52	A	.003	59	.015	52
M4	.006	.004	121	161	C	.005	90	.006	171
MS4	.004	.004	55	161	C	.004	151	.004	240



MOORING 616 AT 235M
SOUTHWEST BAFFIN BAY 1984/5

Mooring 616
Depth 335 m

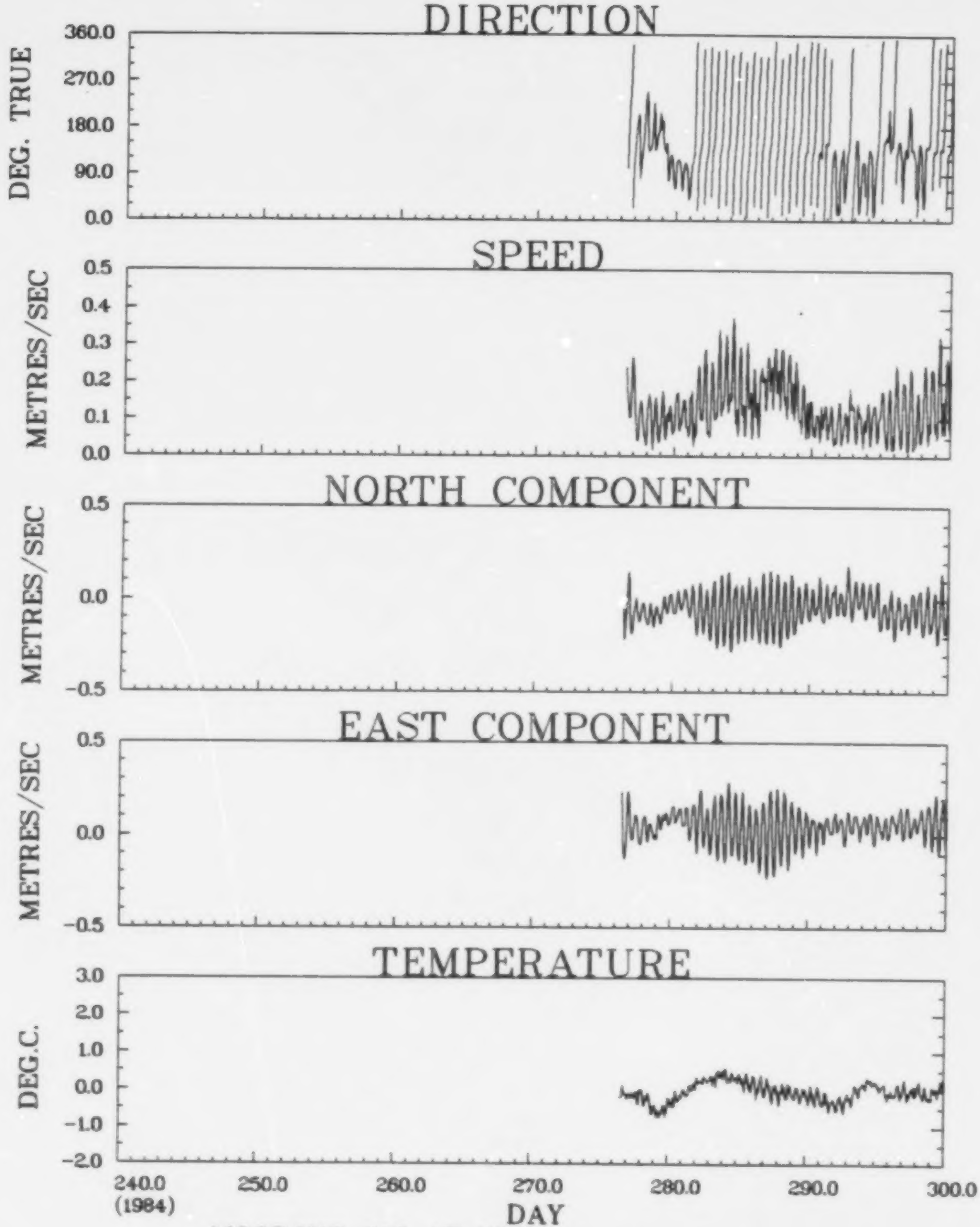
Latitude	67° 45.8N	Deployment	1235Z 2 Oct., 1984
Longitude	62° 17.6W	Recovery	2046Z 6 Oct., 1985
Water Depth	1035 m	Duration	369 d

RECORD LENGTH STATISTICS

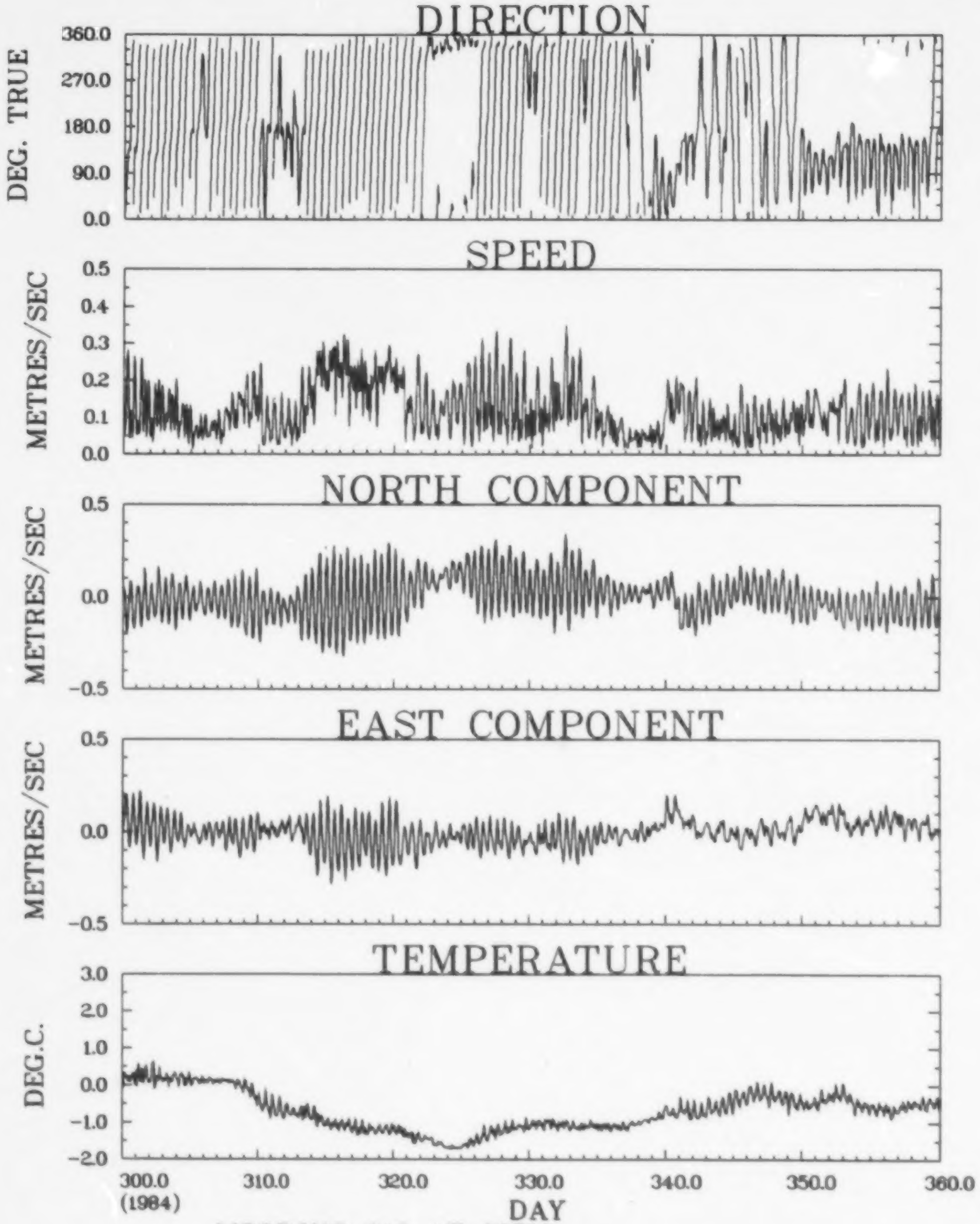
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	8864	318	327	320	0.6
Temperature (T)	°C	8864	-1.71	0.64	-0.40	0.40
Speed (R)	ms^{-1}	8864	0.015	0.374	0.116	0.064
Northeast Component (V)	ms^{-1}	8864	-.263	0.245	-.001	0.064
Southeast Component (U)	ms^{-1}	8864	-.341	0.374	0.019	0.114

MONTHLY MEANS

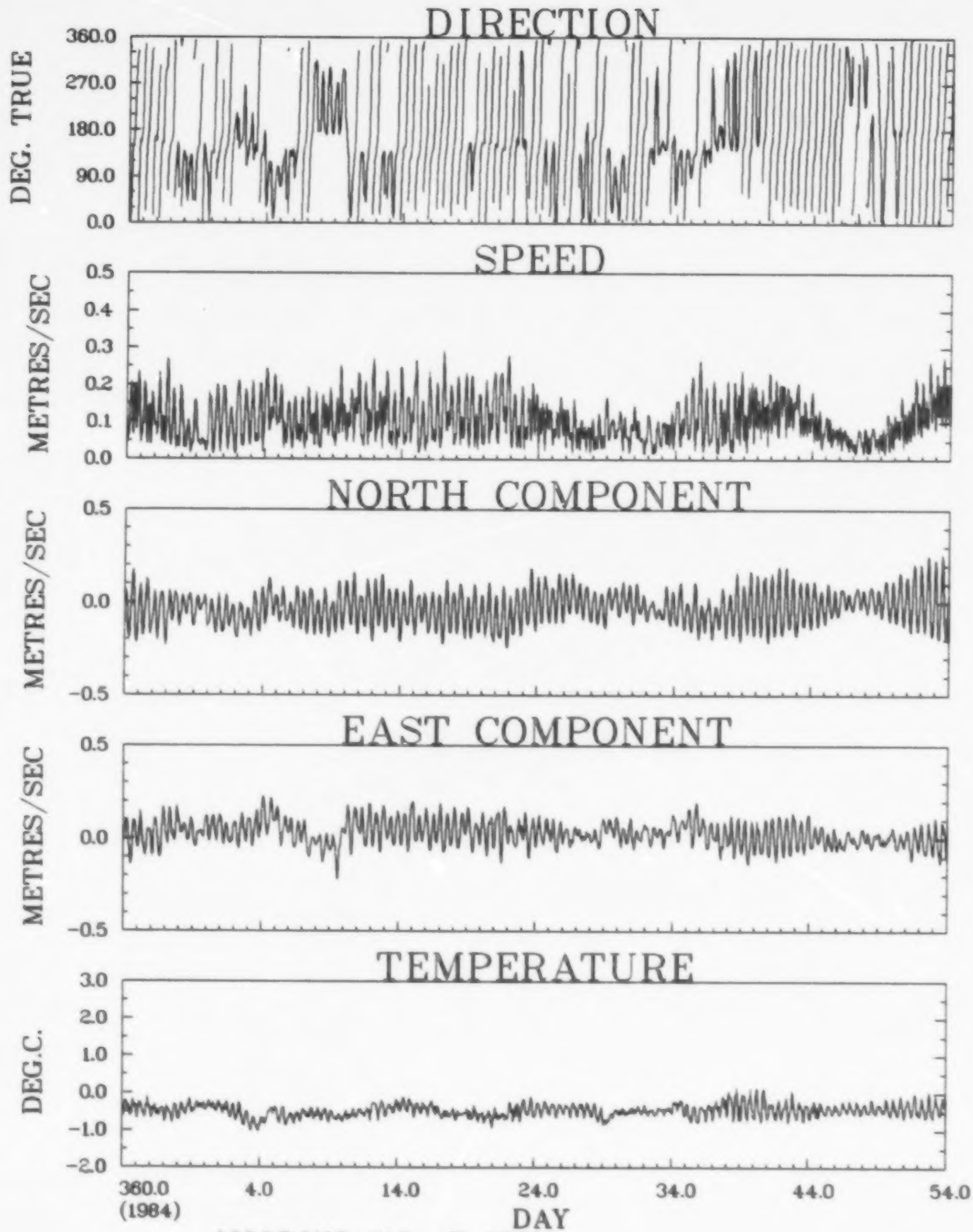
	Samples	T	R	V	U
October	708	0.01±0.26	0.128±.070	0.001±.062	0.064±.116
November	720	-0.98±0.48	0.142±.075	-.006±.097	-.034±.124
December	744	-0.54±0.26	0.095±.052	0.006±.055	0.041±.083
January	744	-0.52±0.16	0.109±.058	0.004±.055	0.050±.098
February	672	-0.39±0.19	0.109±.058	-.002±.063	0.012±.106
March	744	-0.51±0.18	0.101±.057	-.014±.048	0.009±.104
April	720	-0.43±0.24	0.100±.051	-.015±.049	-.005±.100
May	744	-0.89±0.23	0.108±.061	0.004±.051	-.019±.112
June	720	-0.27±0.35	0.113±.068	0.001±.067	-.004±.113
July	744	-0.09±0.17	0.126±.061	0.002±.069	0.037±.116
August	744	-0.11±0.20	0.117±.060	0.006±.057	0.039±.112
September	720	-0.11±0.31	0.138±.070	-.006±.083	0.026±.129
October	140	-0.22±0.14	0.145±.071	0.007±.071	0.059±.133



MOORING 616 AT 335M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 616 AT 335M
SOUTHWEST BAFFIN BAY 1984/5



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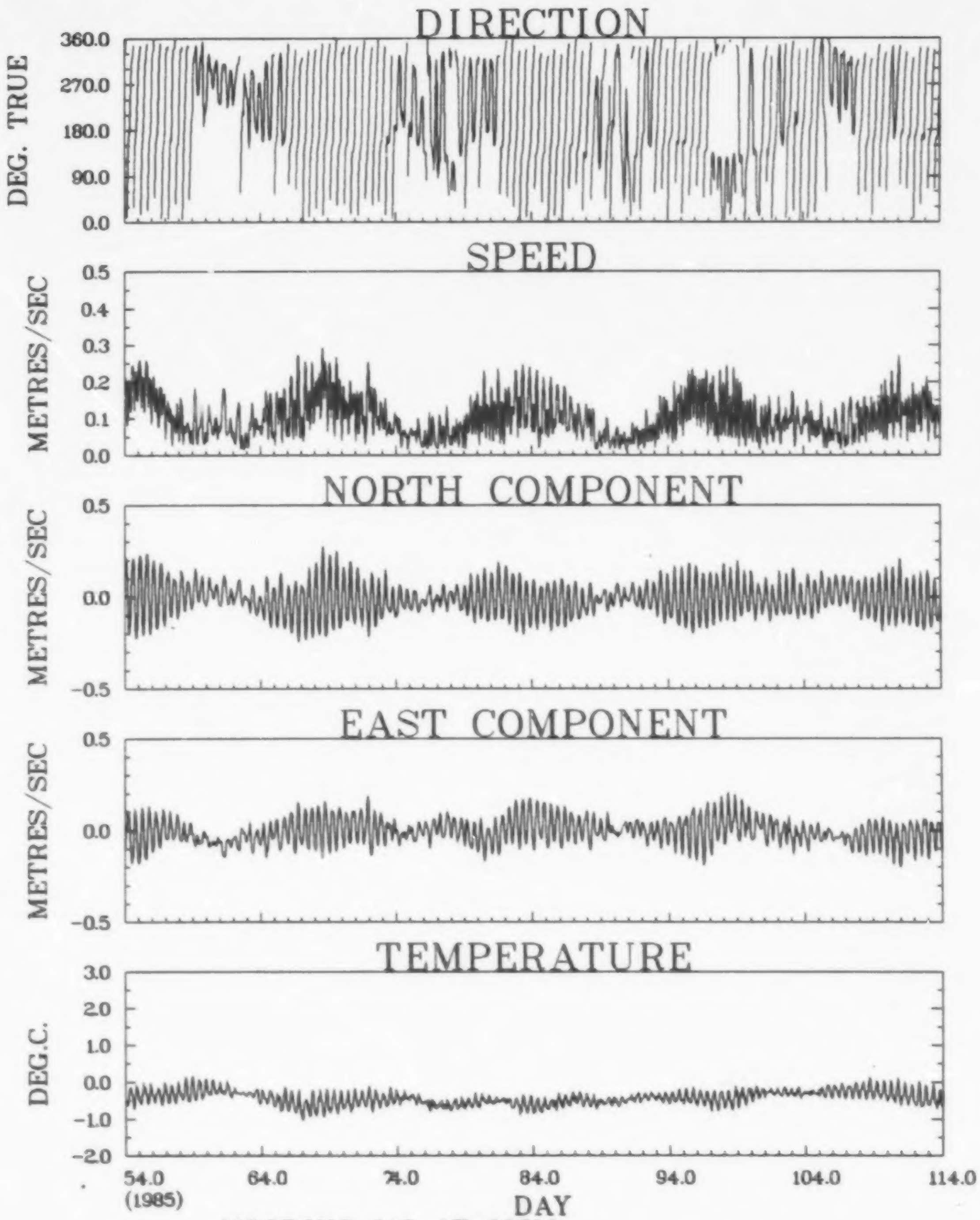
SOUTHWEST BAFFIN BAY 1984/5



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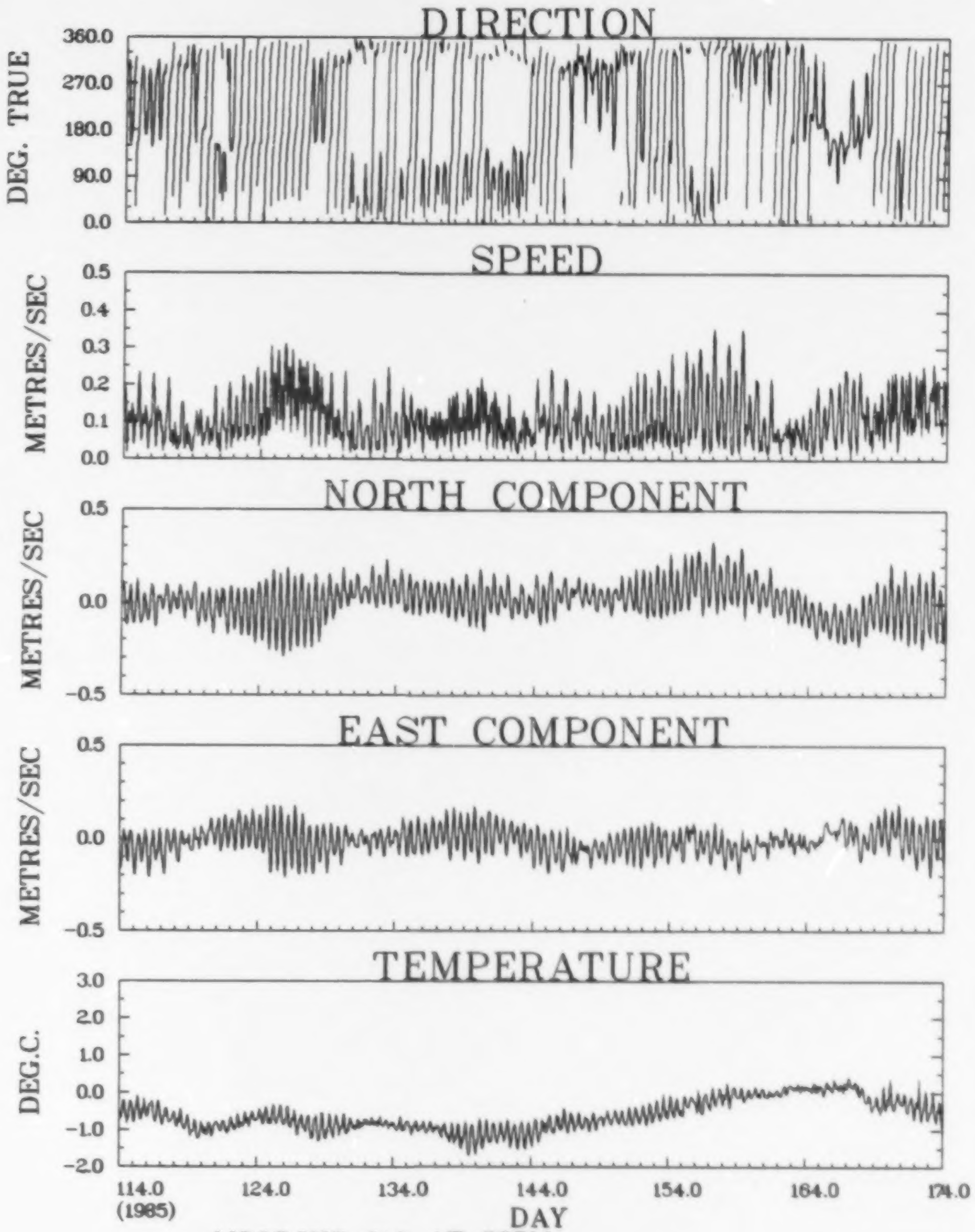

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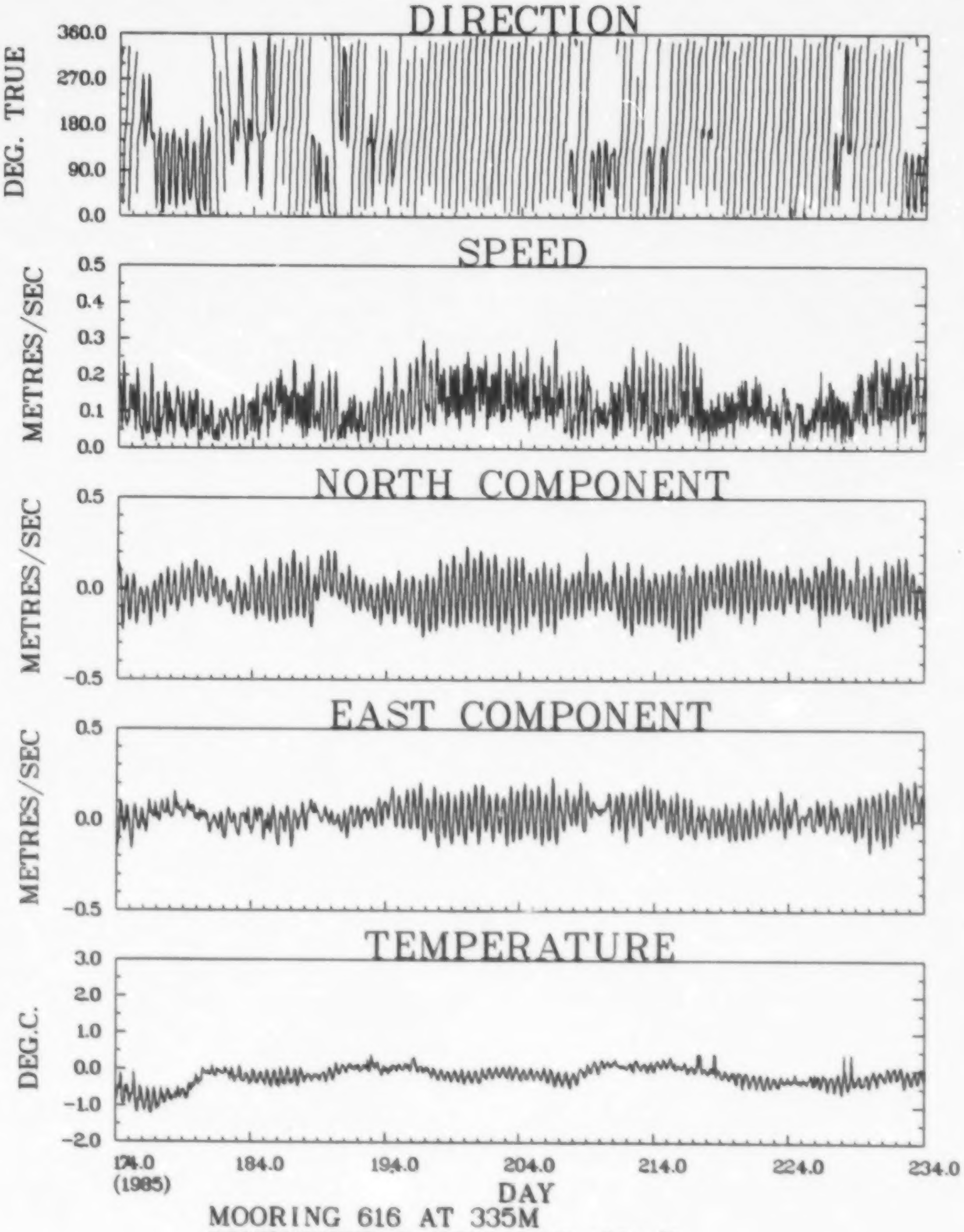
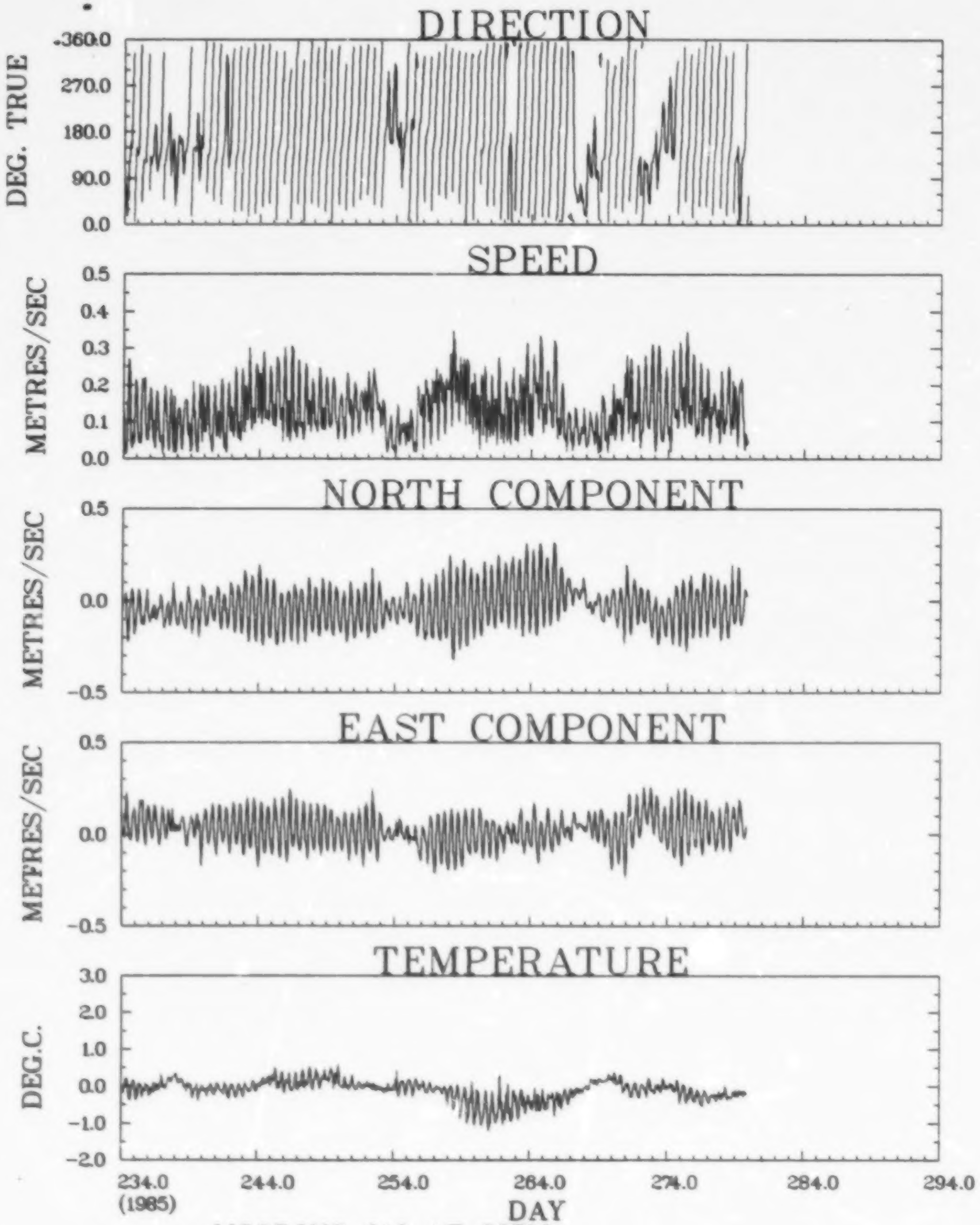
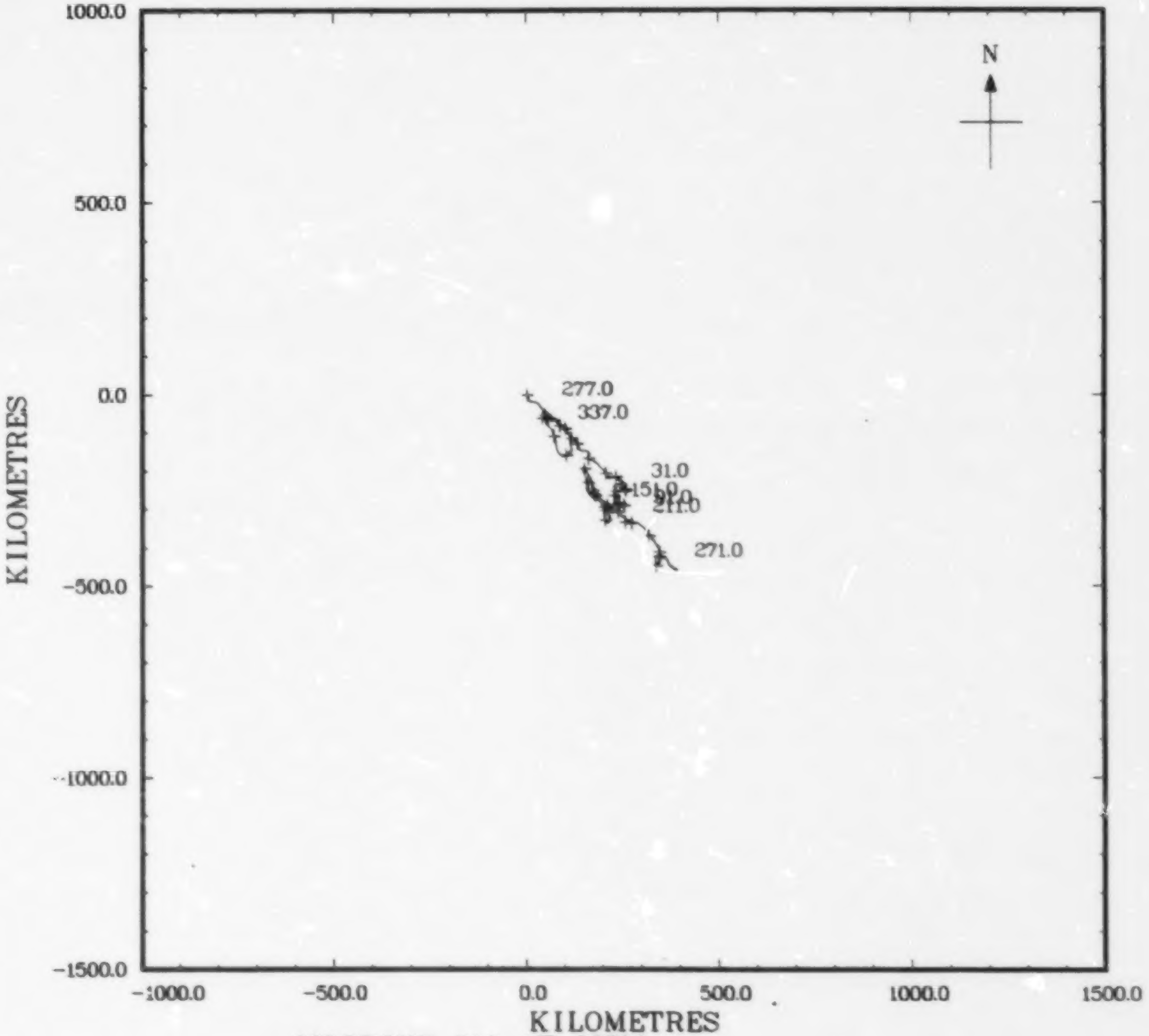


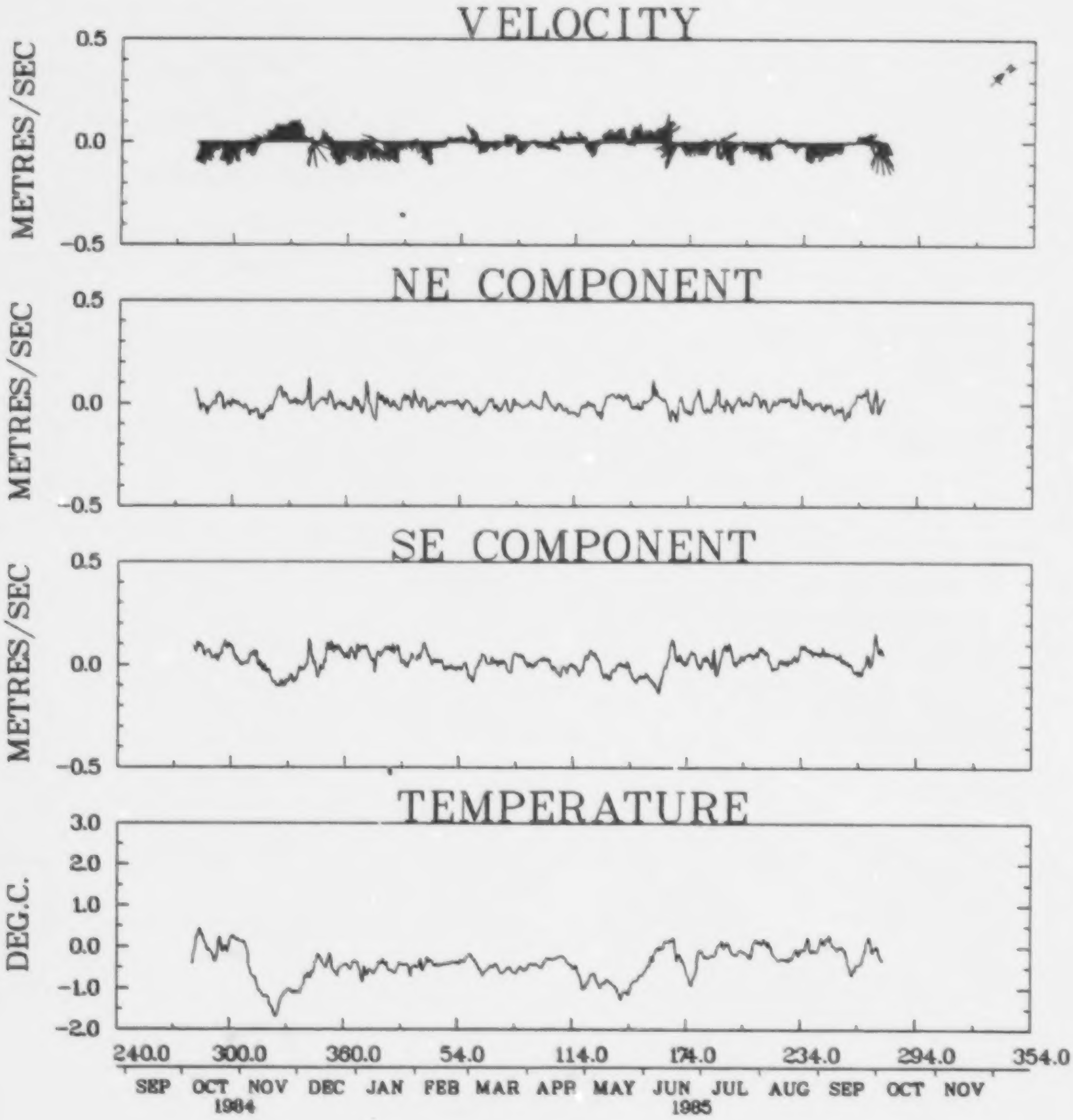
MOORING 616 AT 335M
SOUTHWEST BAFFIN BAY 1984/5



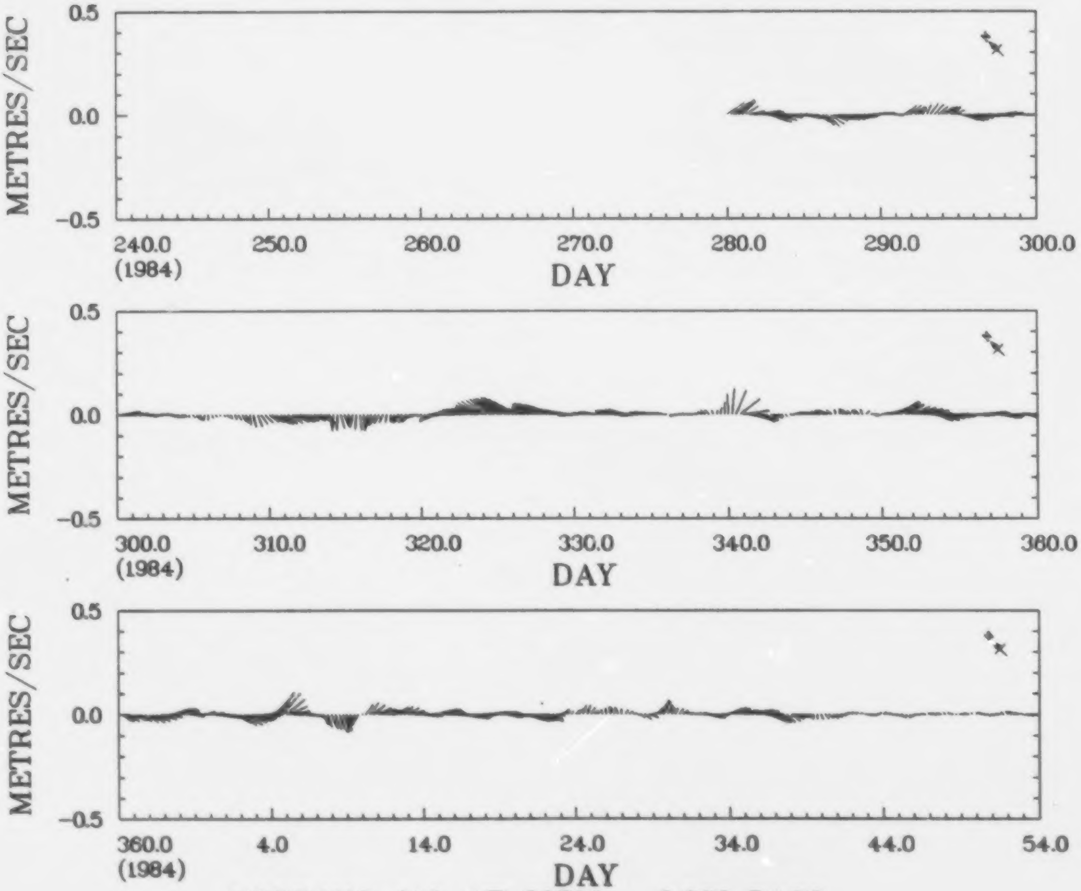
MOORING 616 AT 335M
SOUTHWEST BAFFIN BAY 1984/5



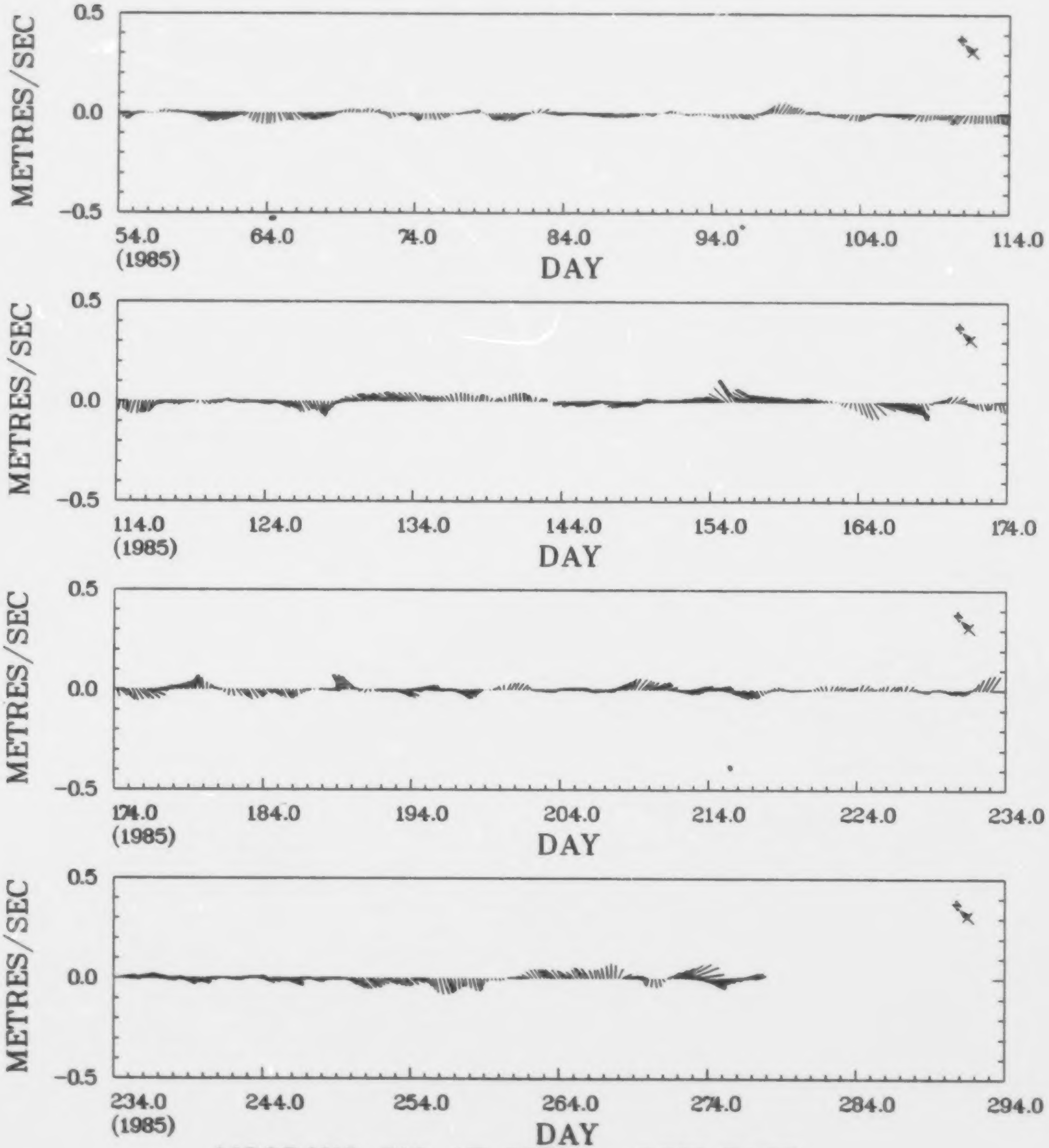
MOORING 616 AT 335M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 616 AT 335M - LOW PASS
SOUTHWESTERN BAFFIN BAY 1984/5



MOORING 616 AT 335M – LOW PASS
SOUTHWEST BAFFIN BAY 1984/5



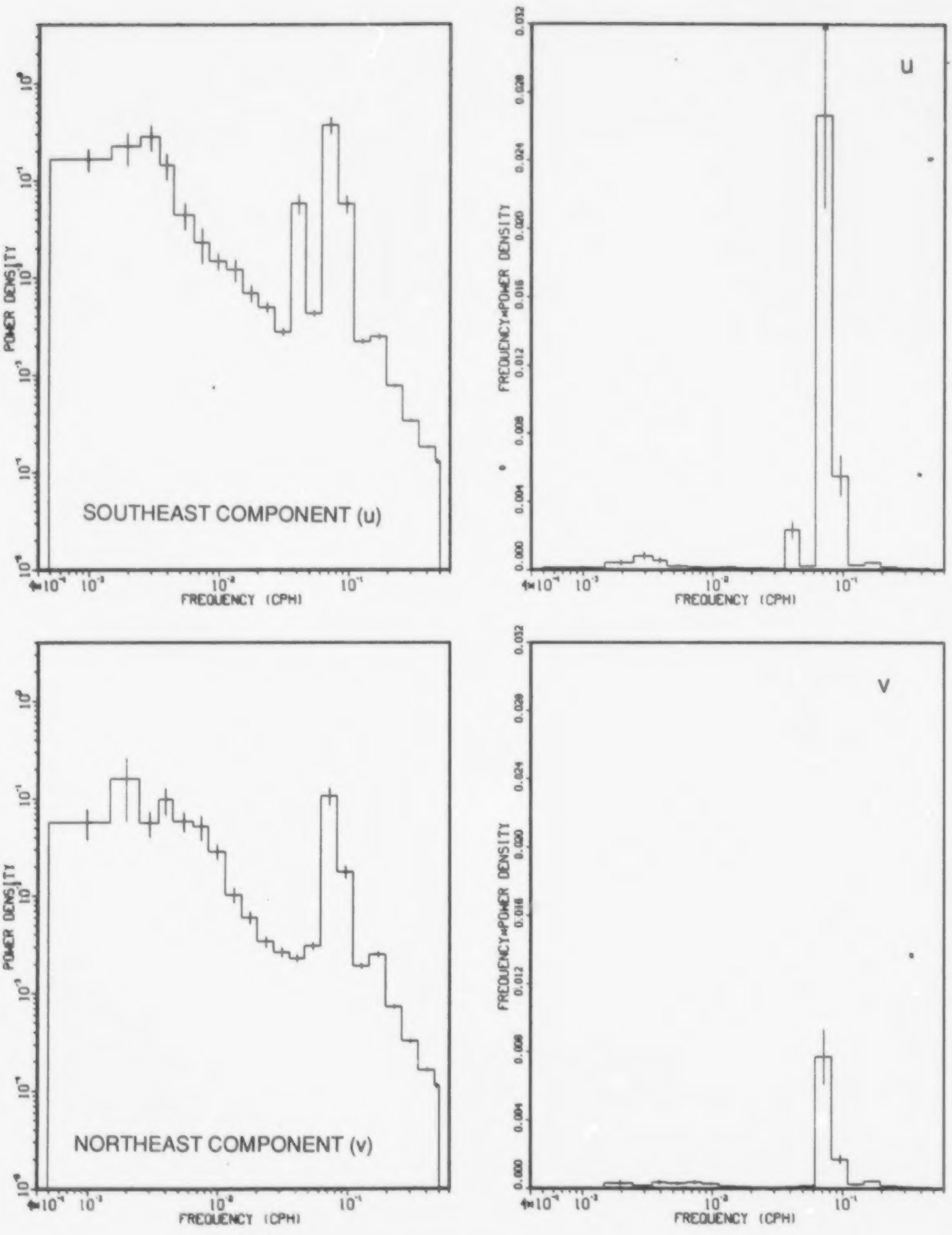
MOORING 616 AT 335M - LOW PASS
SOUTHWEST BAFFIN BAY 1984/5

Mooring 616
Depth 335 m

Tidal Analysis

369.4 d centred at day 095,1985

	Current Ellipse					Northeast Comp		Southeast Comp	
Const	Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Amp. (m/s)	Phase (deg)	Amp. (m/s)	Phase (deg)
K1	.028	.000	134	7	A	.001	45	.028	7
O1	.010	.001	132	330	A	.001	38	.010	329
M2	.124	.031	153	165	C	.048	23	.118	160
S2	.048	.016	140	220	C	.016	115	.048	218
N2	.015	.002	135	159	A	.002	246	.015	159
MF	.012	.001	122	73	A	.003	54	.012	74
M4	.003	.001	95	92	C	.002	63	.002	114
MS4	.002	.001	87	128	C	.002	94	.002	168



MOORING 616 AT 335M
SOUTHWEST BAFFIN BAY 1984/5

Mooring 616
Depth 535 m

Latitude	67° 45.8N	Deployment	1235Z 2 Oct., 1984
Longitude	62° 17.6W	Recovery	2046Z 6 Oct., 1985
Water Depth	1035 m	Duration	369 d

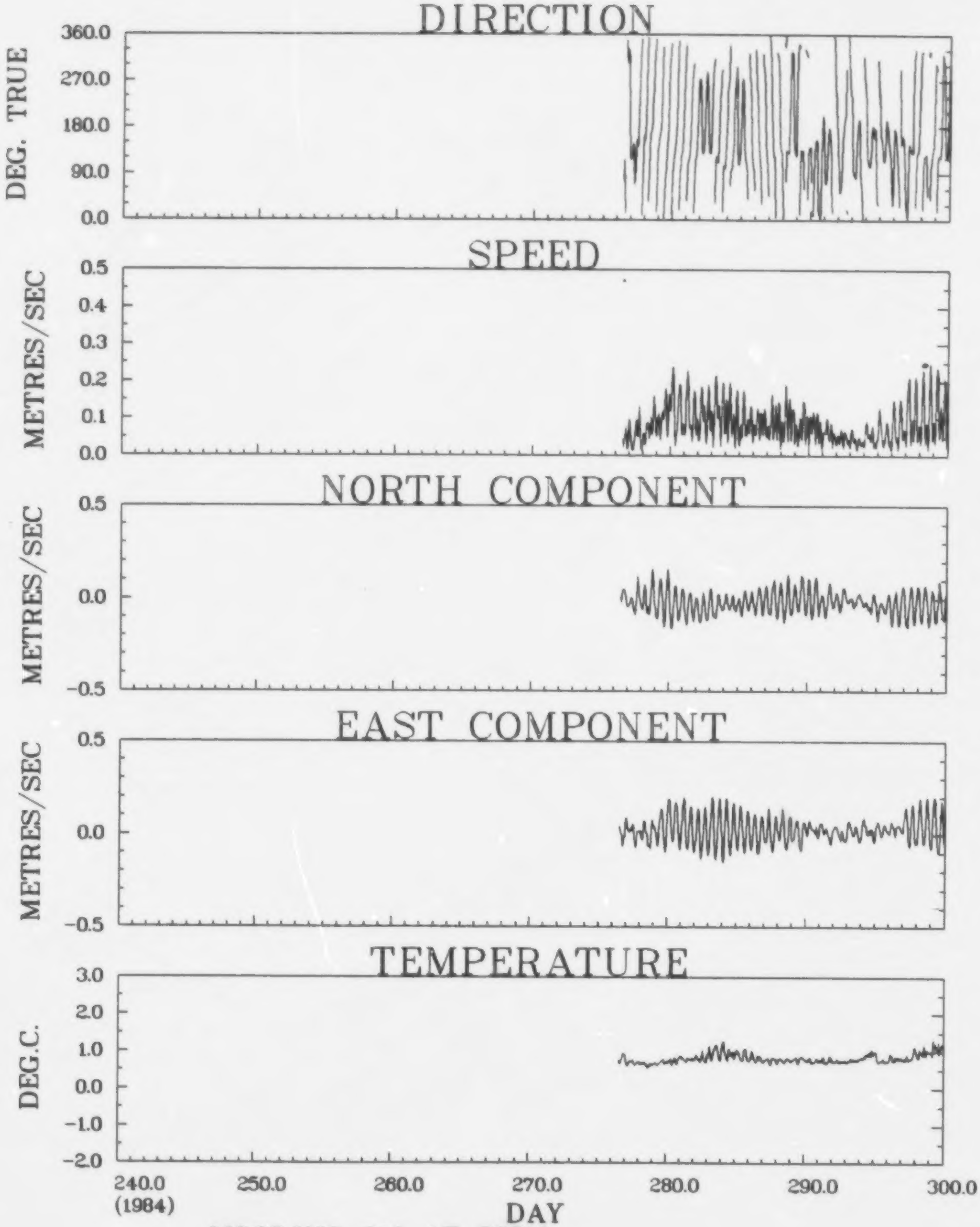
RECORD LENGTH STATISTICS

Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	8864	560	565	562	0.3
Temperature (T)	°C	8864	0.44	1.51	0.93	0.16
Speed (R)	ms^{-1}	8727	0.015	0.314	0.091	0.048
Northeast Component (V)	ms^{-1}	8727	-.174	0.185	-.001	0.050
Southeast Component (U)	ms^{-1}	8727	-.314	0.281	0.019	0.089

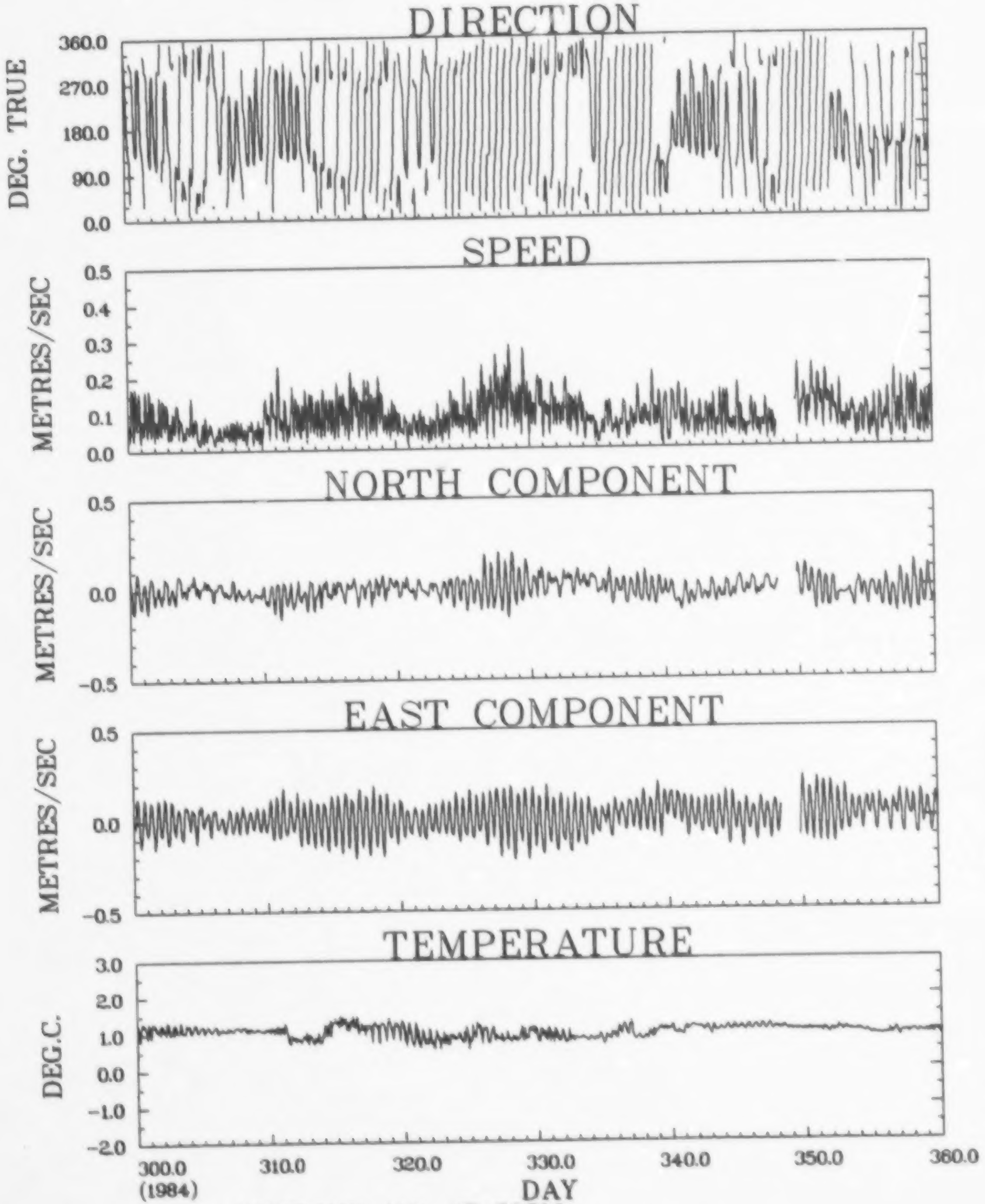
MONTHLY MEANS

	Samples	T	R	V	U
October	708	0.89±0.18	0.085±.048	0.004±.043	0.028±.083
November	720	0.98±0.19	0.093±.049	-.001±.058	-.003±.088
December	744[a]	0.99±0.09	0.088±.043	-.003±.049	0.032±.078
January	744	0.85±0.12	0.093±.045	-.001±.048	0.031±.087
February	672	0.95±0.06	0.086±.046	-.002±.041	0.011±.089
March	744	0.95±0.07	0.085±.046	-.007±.045	0.013±.084
April	720	1.02±0.10	0.080±.040	-.004±.055	0.002±.071
May	744	1.06±0.11	0.087±.040	0.012±.059	-.008±.074
June	720	1.09±0.07	0.092±.051	-.006±.041	0.007±.097
July	744[b]	0.97±0.10	0.102±.054	0.000±.045	0.044±.097
August	744	0.75±0.14	0.106±.056	-.003±.052	0.041±.100
September	720[c]	0.73±0.13	0.093±.052	-.001±.048	0.030±.090
October	140	0.73±0.10	0.110±.057	0.003±.065	0.028±.102

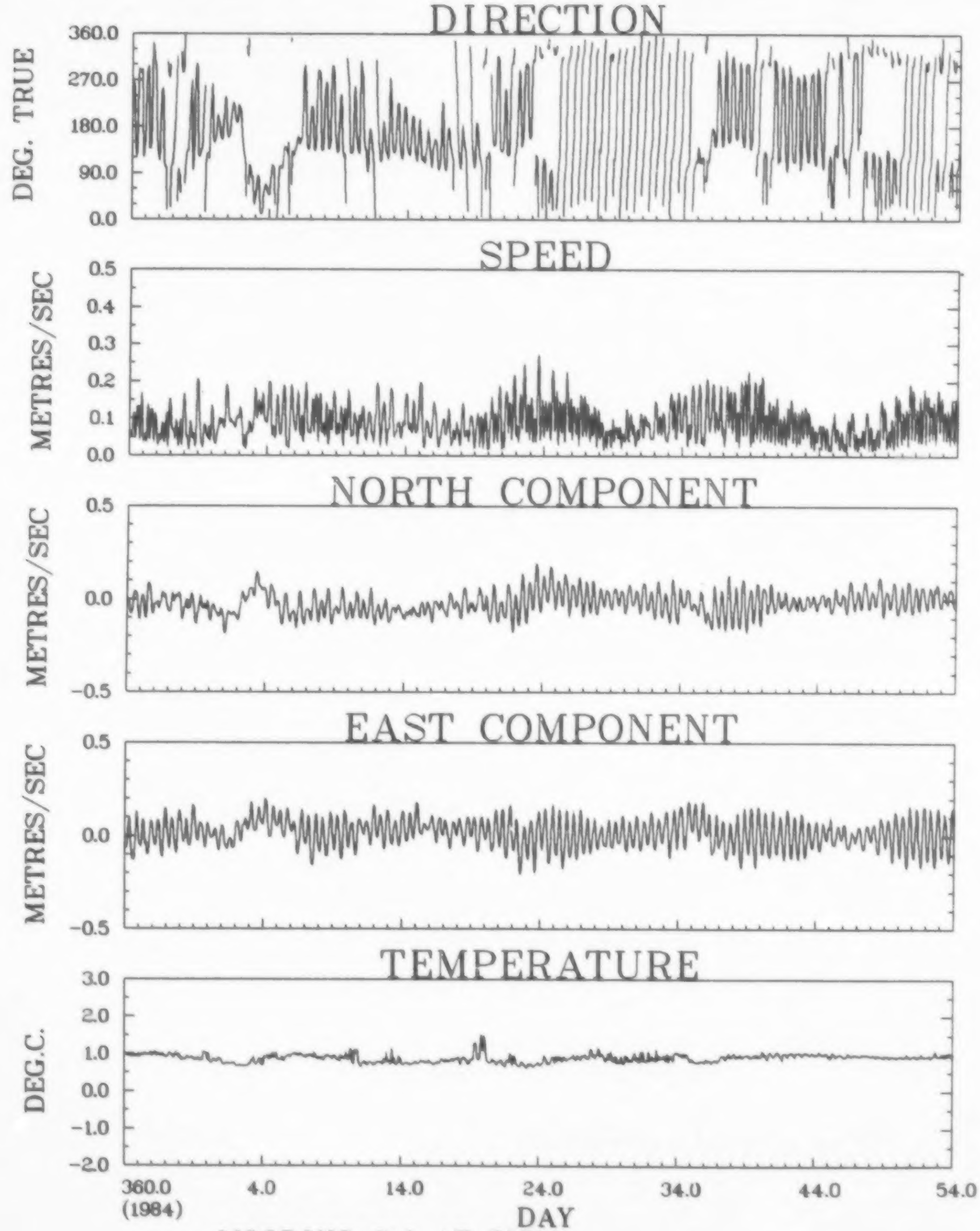
NOTES:
[a]: 711 samples for R,V,U
[b]: 669 samples for R,V,U
[c]: 691 samples for R,V,U



MOORING 616 AT 535M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 616 AT 535M
SOUTHWEST BAFFIN BAY 1984/5



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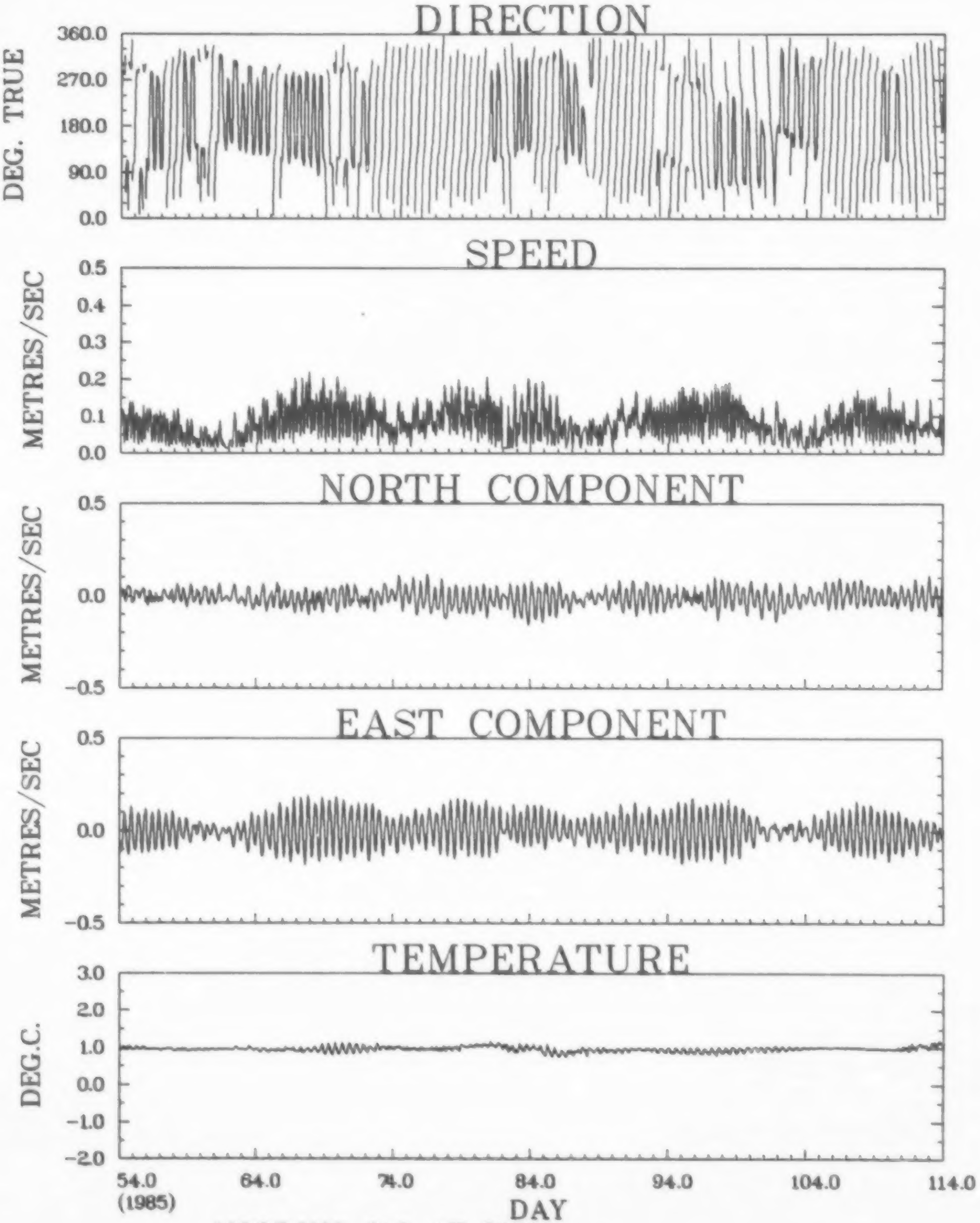
SOUTHWEST BAFFIN BAY 1984/5



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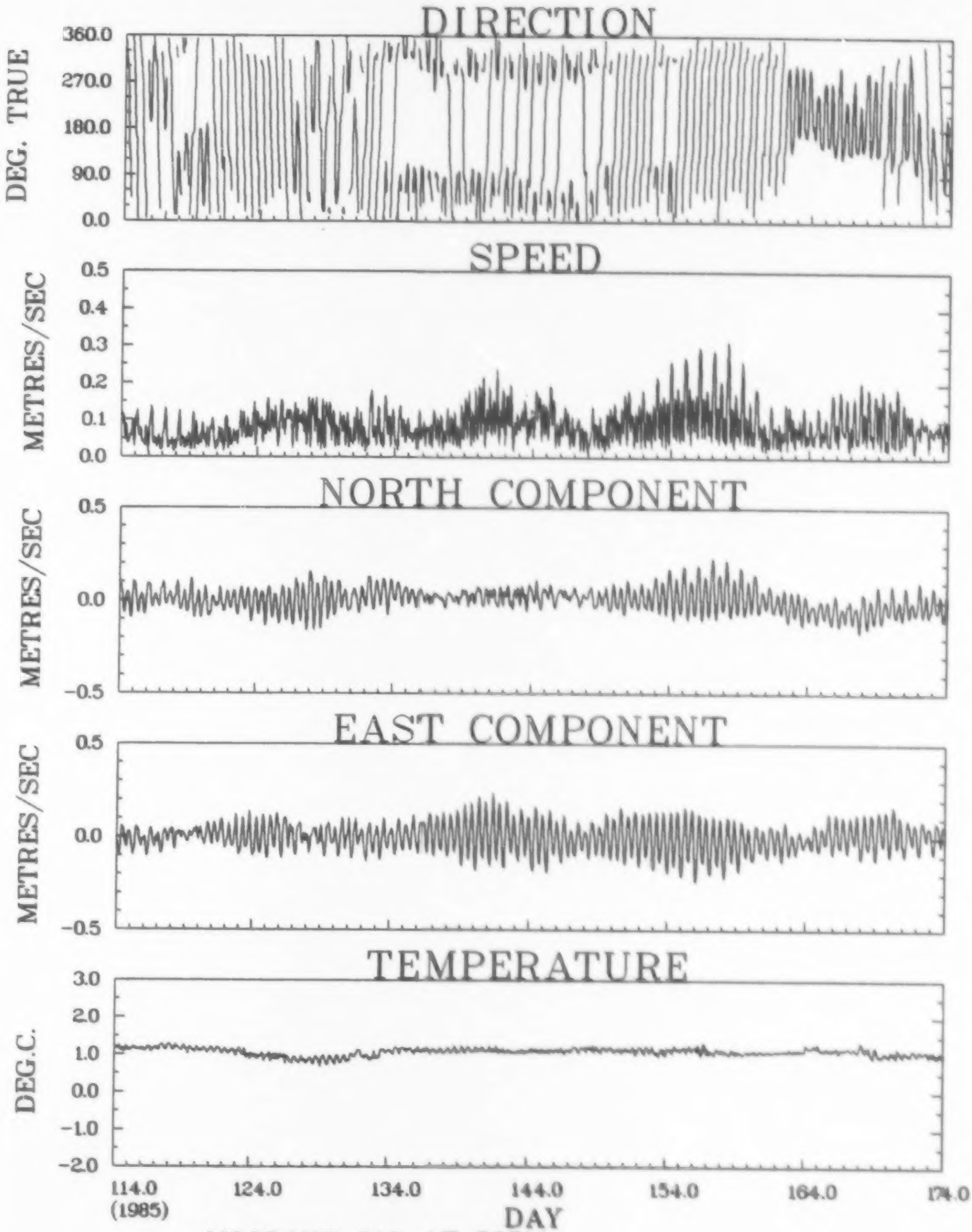
SOUTHWEST BAFFIN BAY 1984/5



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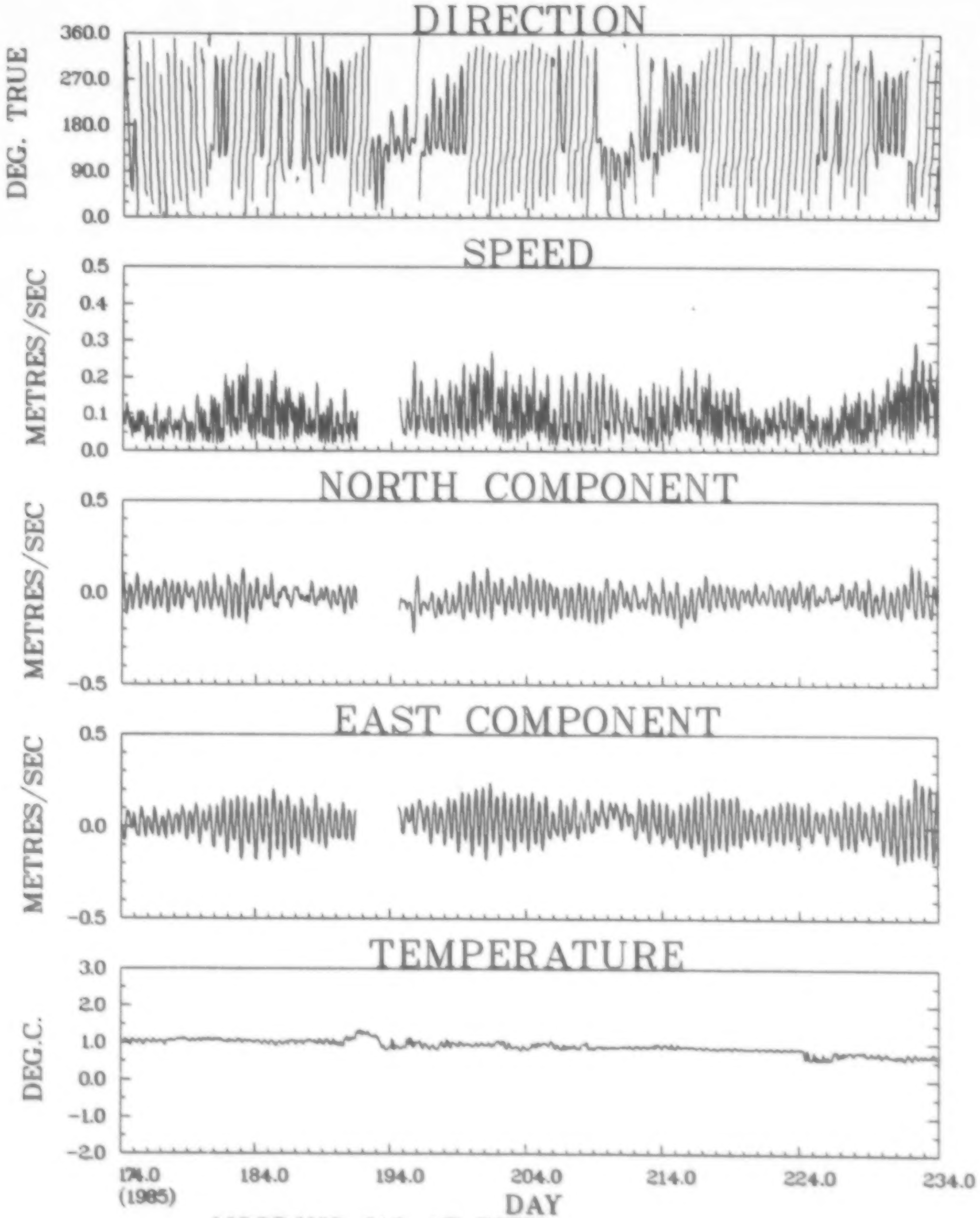
SOUTHWEST BAFFIN BAY 1984/5



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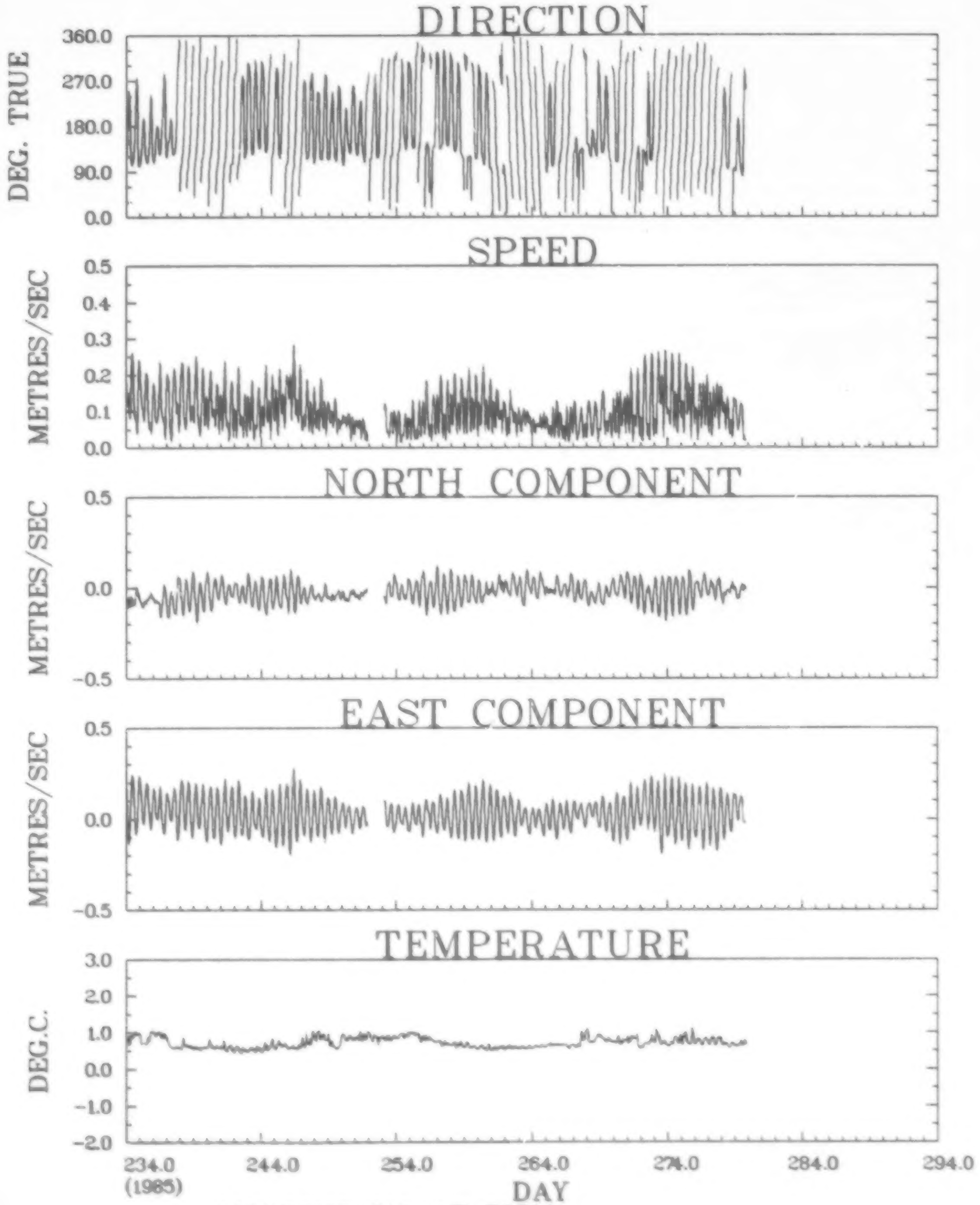
SOUTHWEST BAFFIN BAY 1984/5



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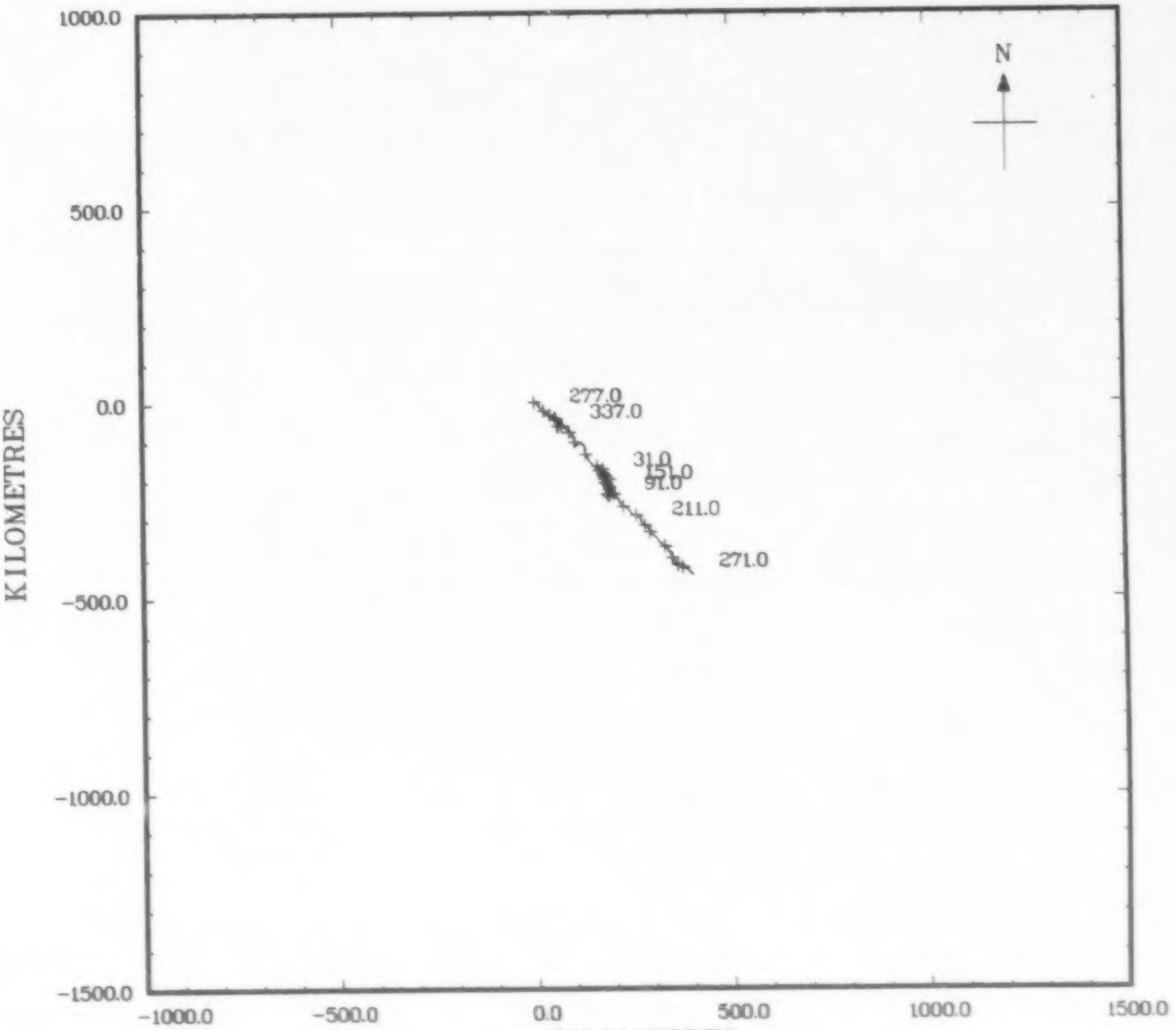
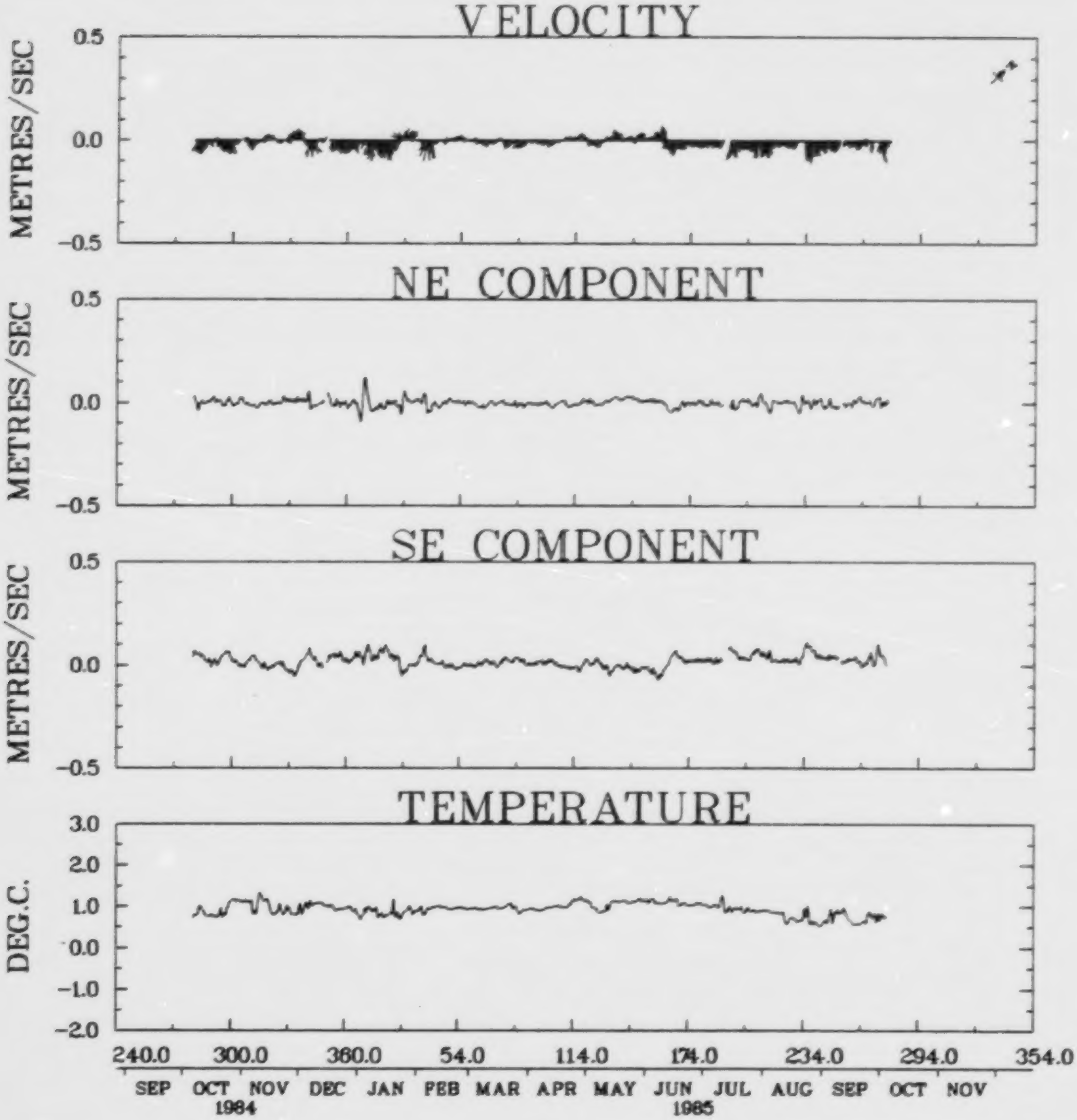
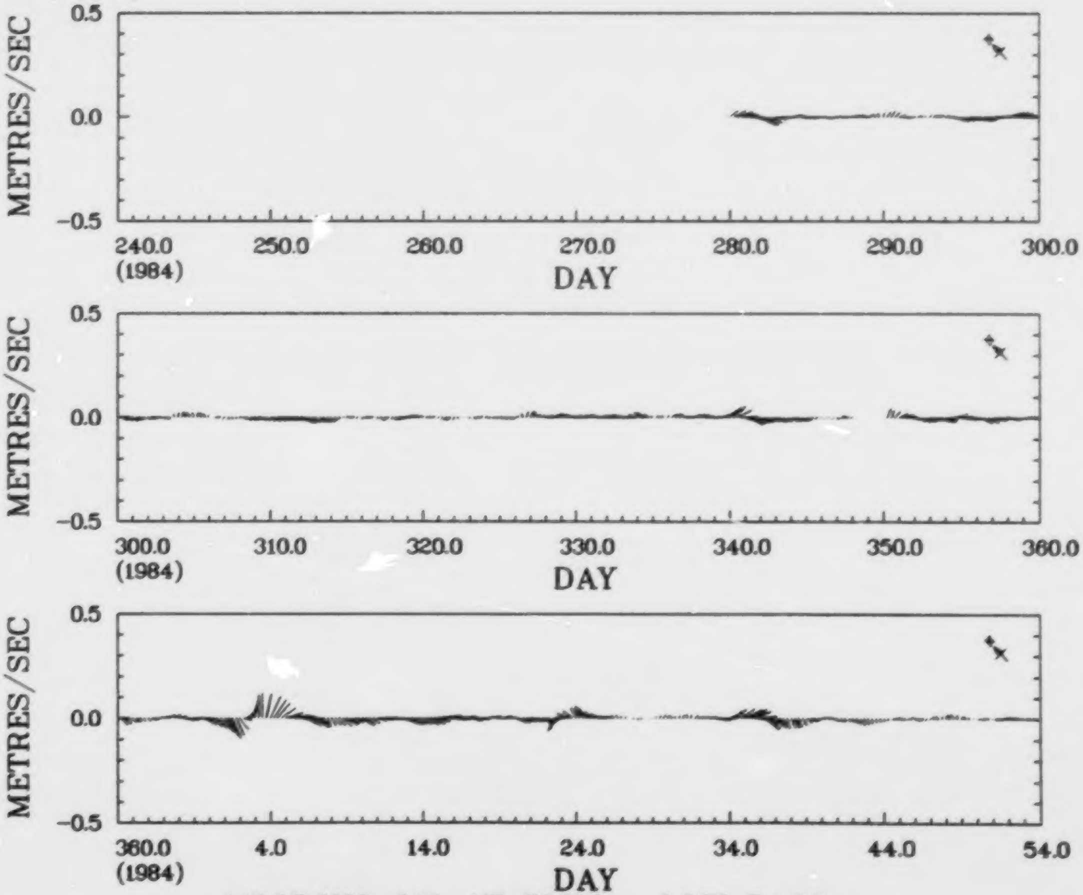


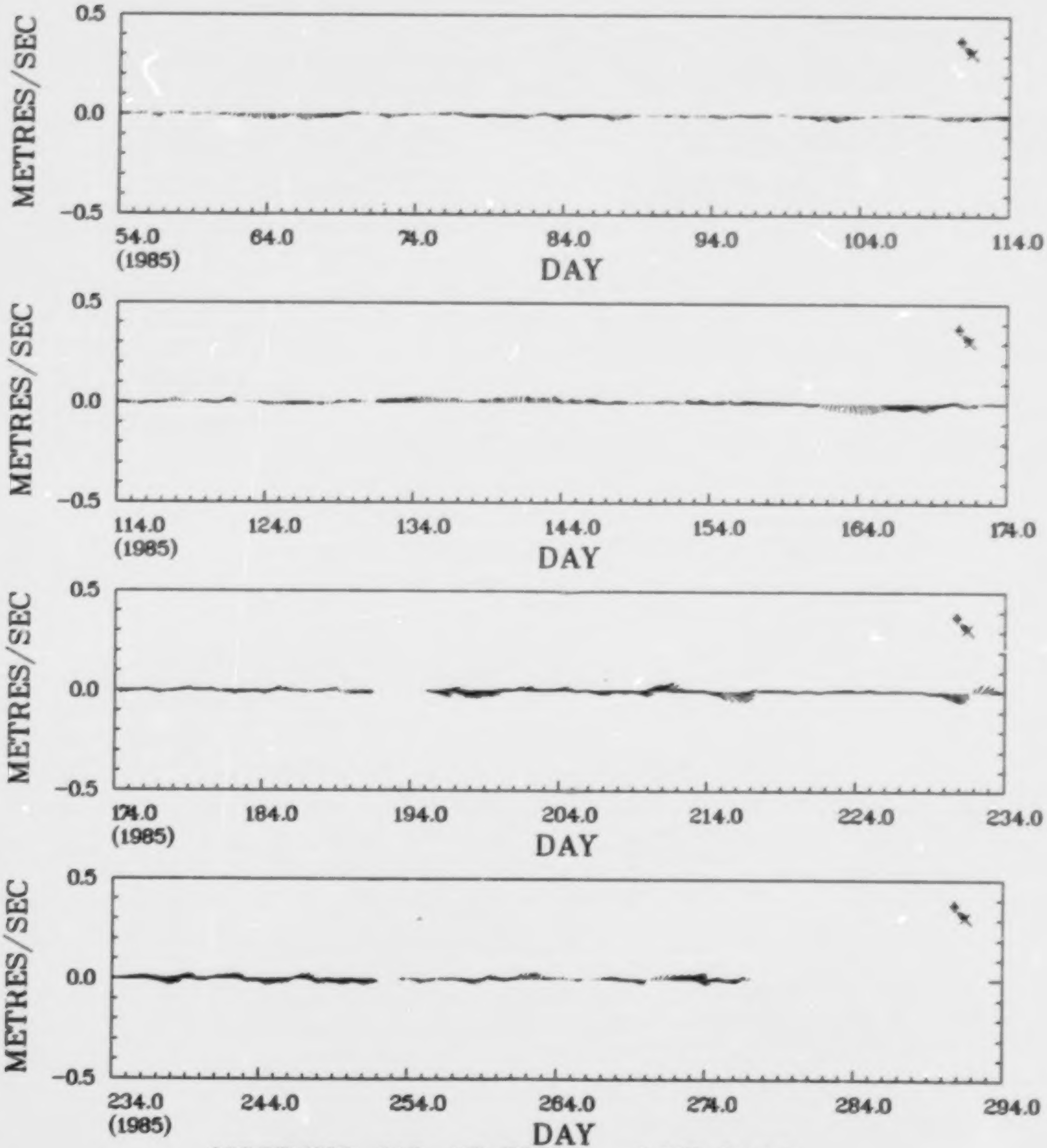
MOORING 616 AT 535M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 616 AT 535M – LOW PASS
SOUTHWESTERN BAFFIN BAY 1984/5



MOORING 616 AT 535M - LOW PASS
SOUTHWEST BAFFIN BAY 1984/5



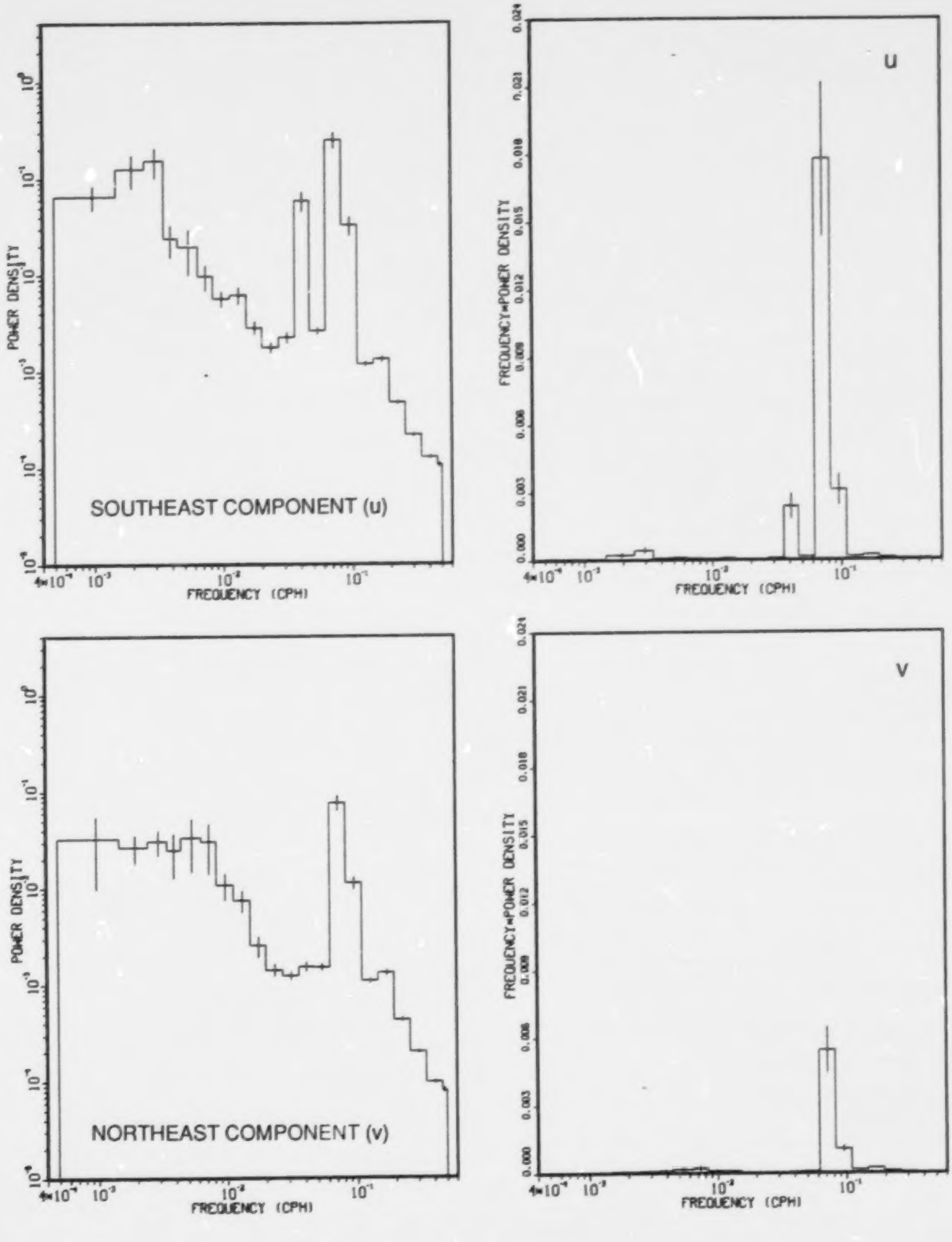
MOORING 616 AT 535M – LOW PASS
SOUTHWEST BAFFIN BAY 1984/5

Mooring 616
Depth 535 m

Tidal Analysis

369.4 d centred at day 095,1985

	Current Ellipse					Northeast Comp		Southeast Comp	
Const	Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Amp. (m/s)	Phase (deg)	Amp. (m/s)	Phase (deg)
K1	.028	.001	135	10	A	.001	287	.028	10
O1	.011	.000	134	339	A	.000	281	.011	339
M2	.103	.001	114	196	C	.037	197	.096	196
S2	.030	.008	126	229	C	.009	289	.029	227
N2	.016	.004	153	131	A	.006	275	.015	136
MF	.006	.002	139	67	A	.002	172	.006	68
M4	.003	.001	101	356	C	.002	333	.003	7
MS4	.001	.000	90	22	C	.001	40	.001	5



MOORING 616 AT 535M
SOUTHWEST BAFFIN BAY 1984/5

Mooring 617
Depth 257 m

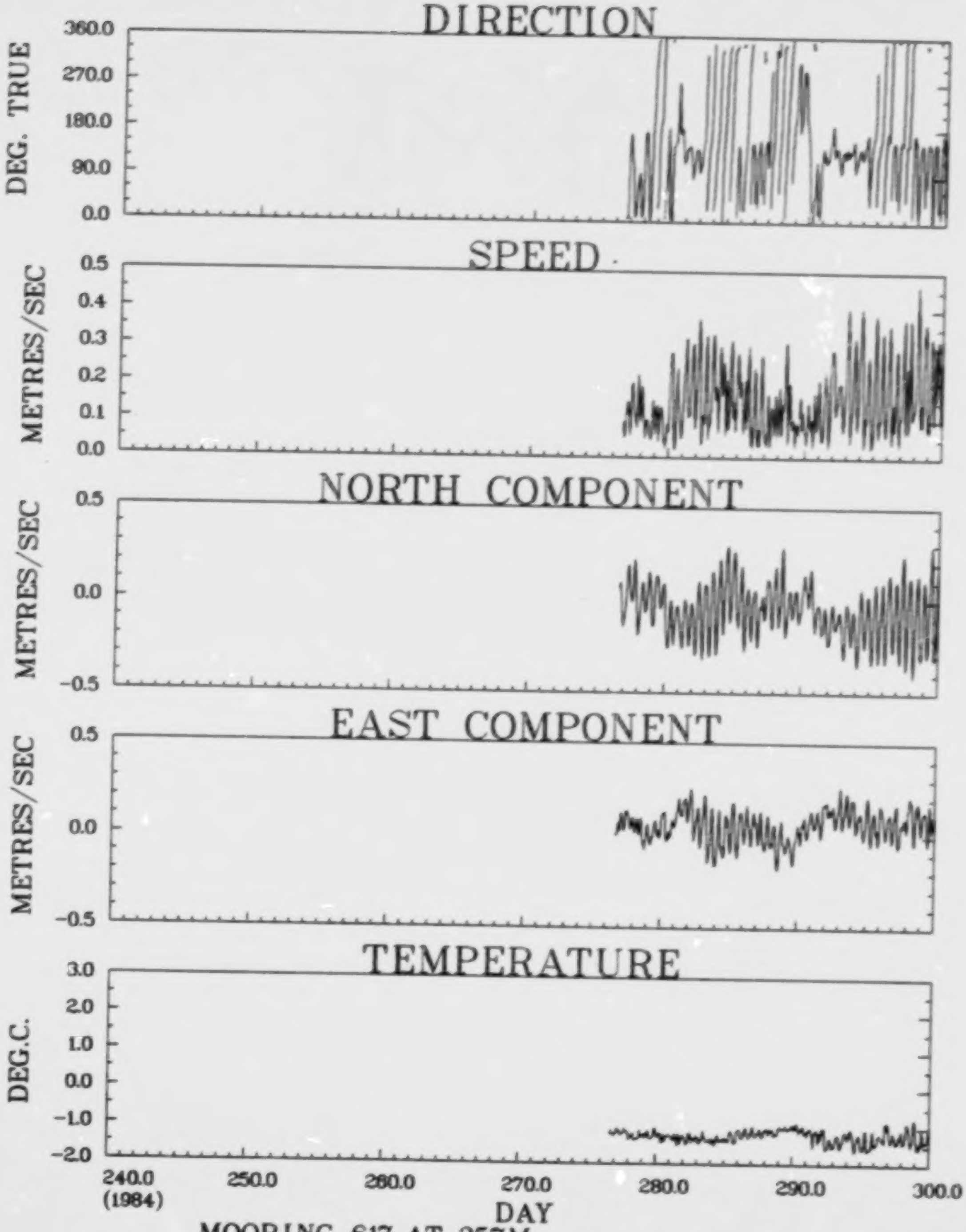
Latitude	67° 24.3N	Deployment	1649Z 2 Oct., 1984
Longitude	61° 27.0W	Recovery	1513Z 7 Oct., 1985
Water Depth	582 m	Duration	370 d

RECORD LENGTH STATISTICS

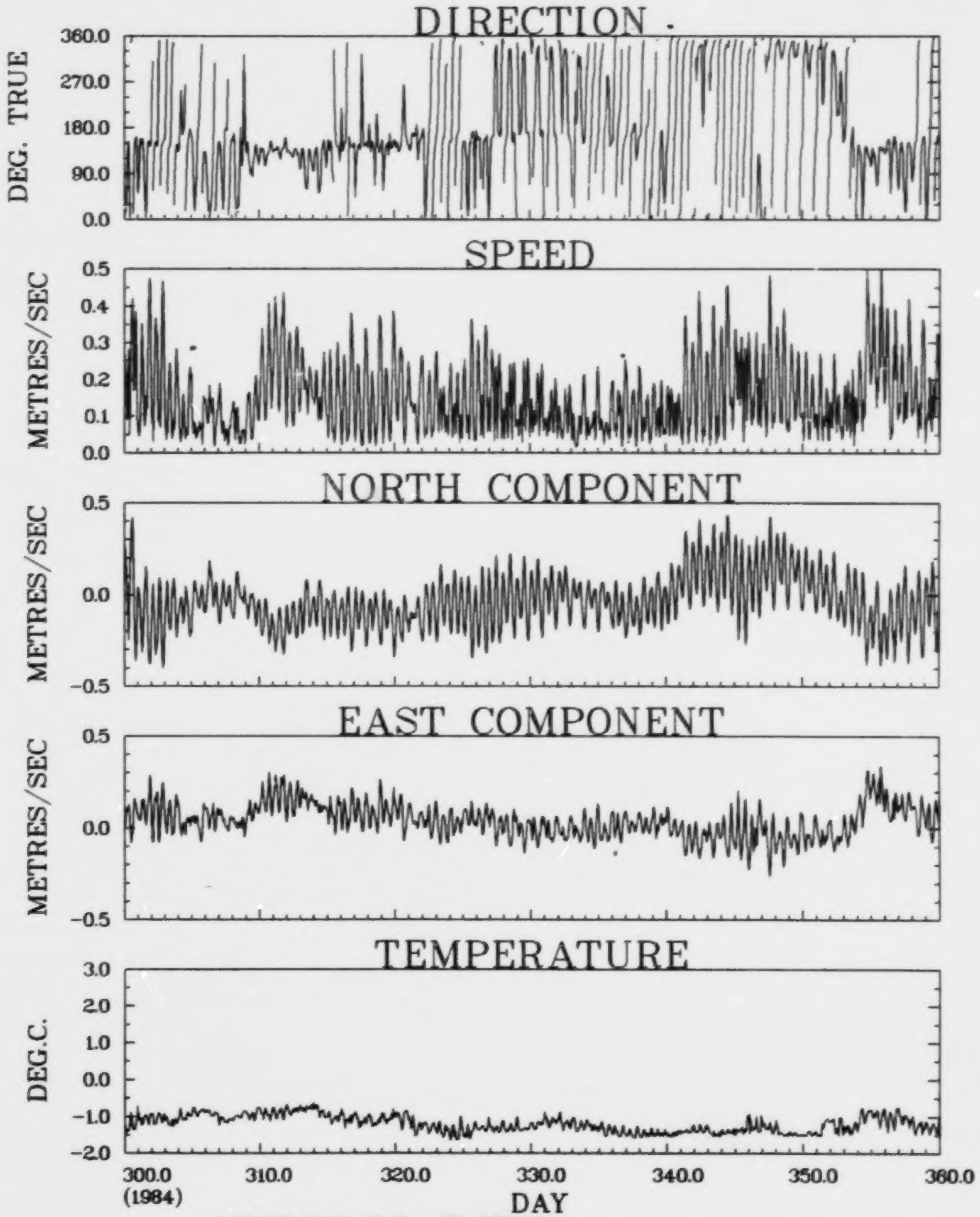
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	8879	250	257	253	0.3
Temperature (T)	°C	8879	-1.78	0.13	-1.08	0.31
Speed (R)	ms^{-1}	8879	0.015	0.536	0.148	0.092
Northeast Component (V)	ms^{-1}	8879	-.410	0.285	0.001	0.066
Southeast Component (U)	ms^{-1}	8879	-.465	0.530	0.071	0.145

MONTHLY MEANS

	Samples	T	R	V	U
October	704	-1.20±0.18	0.161±.096	-.001±.081	0.084±.147
November	720	-1.13±0.21	0.140±.089	-.011±.058	0.089±.127
December	744	-1.27±0.21	0.165±.102	0.014±.079	0.023±.175
January	744	-1.18±0.20	0.162±.108	-.013±.058	0.137±.125
February	672	-1.20±0.17	0.147±.100	-.006±.059	0.089±.142
March	744	-1.17±0.21	0.143±.087	-.010±.062	0.077±.134
April	720	-1.09±0.23	0.130±.077	0.021±.070	0.004±.132
May	744	-1.36±0.26	0.136±.081	-.006±.060	0.016±.145
June	720	-0.96±0.34	0.130±.076	0.001±.063	0.047±.128
July	744	-0.79±0.29	0.153±.094	-.003±.052	0.109±.133
August	744	-0.98±0.33	0.144±.077	0.019±.071	0.046±.138
September	720	-0.67±0.23	0.150±.099	0.013±.059	0.106±.132
October	159	-0.80±0.13	0.184±.109	-.015±.052	0.176±.108



MOORING 617 AT 257M
SOUTHWEST BAFFIN BAY 1984/5



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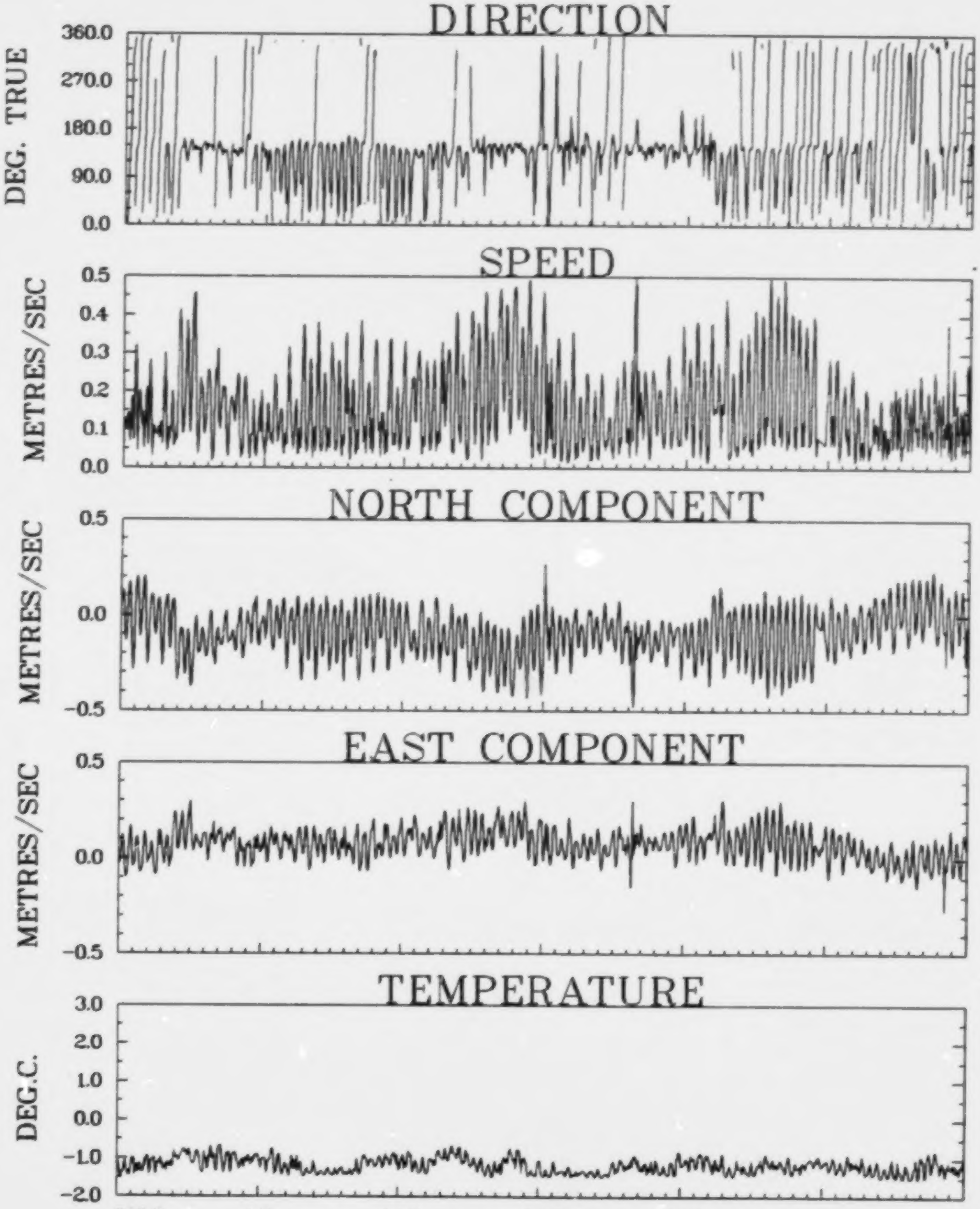
SOUTHWEST BAFFIN BAY 1984/5



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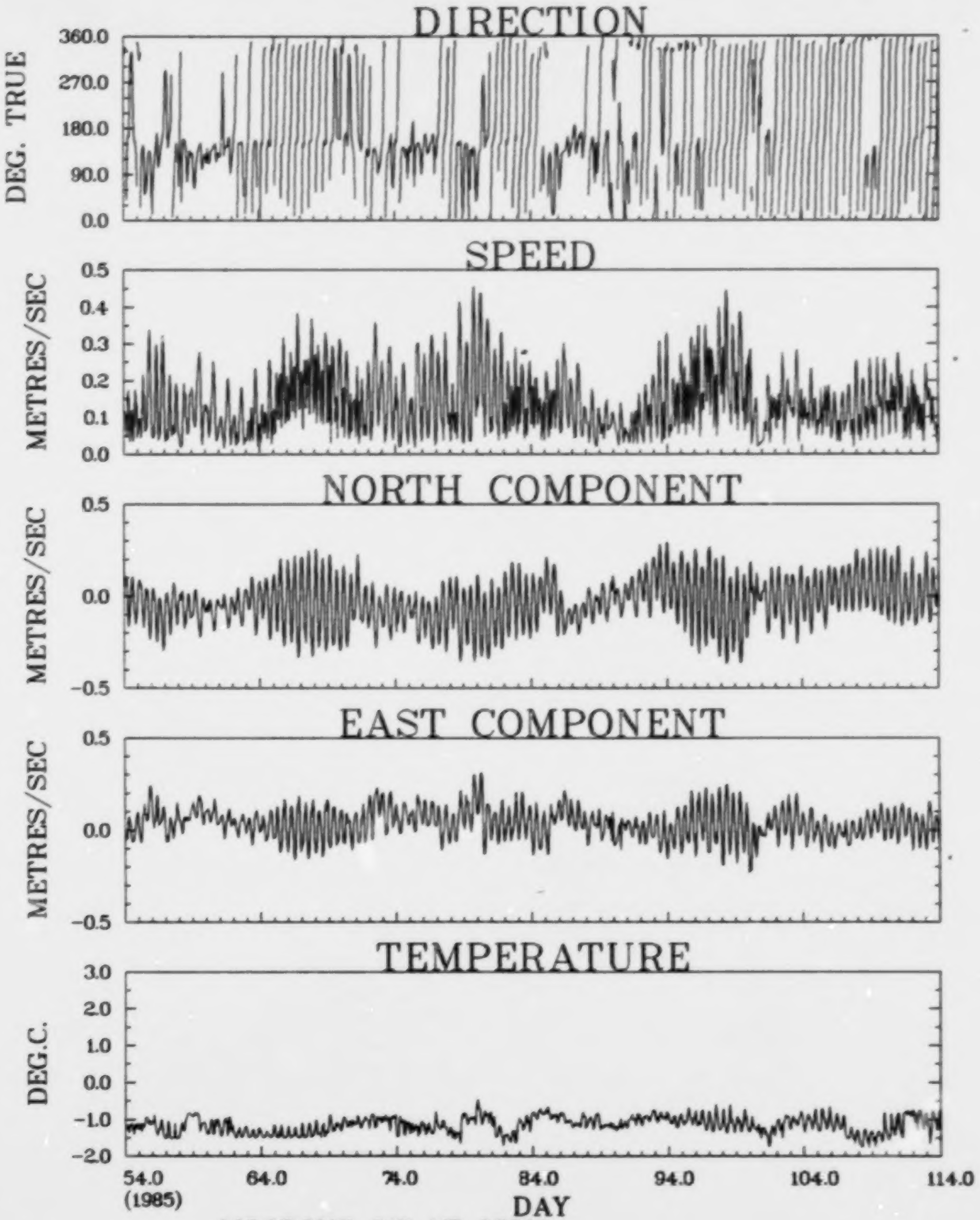
SOUTHWEST BAFFIN BAY 1984/5



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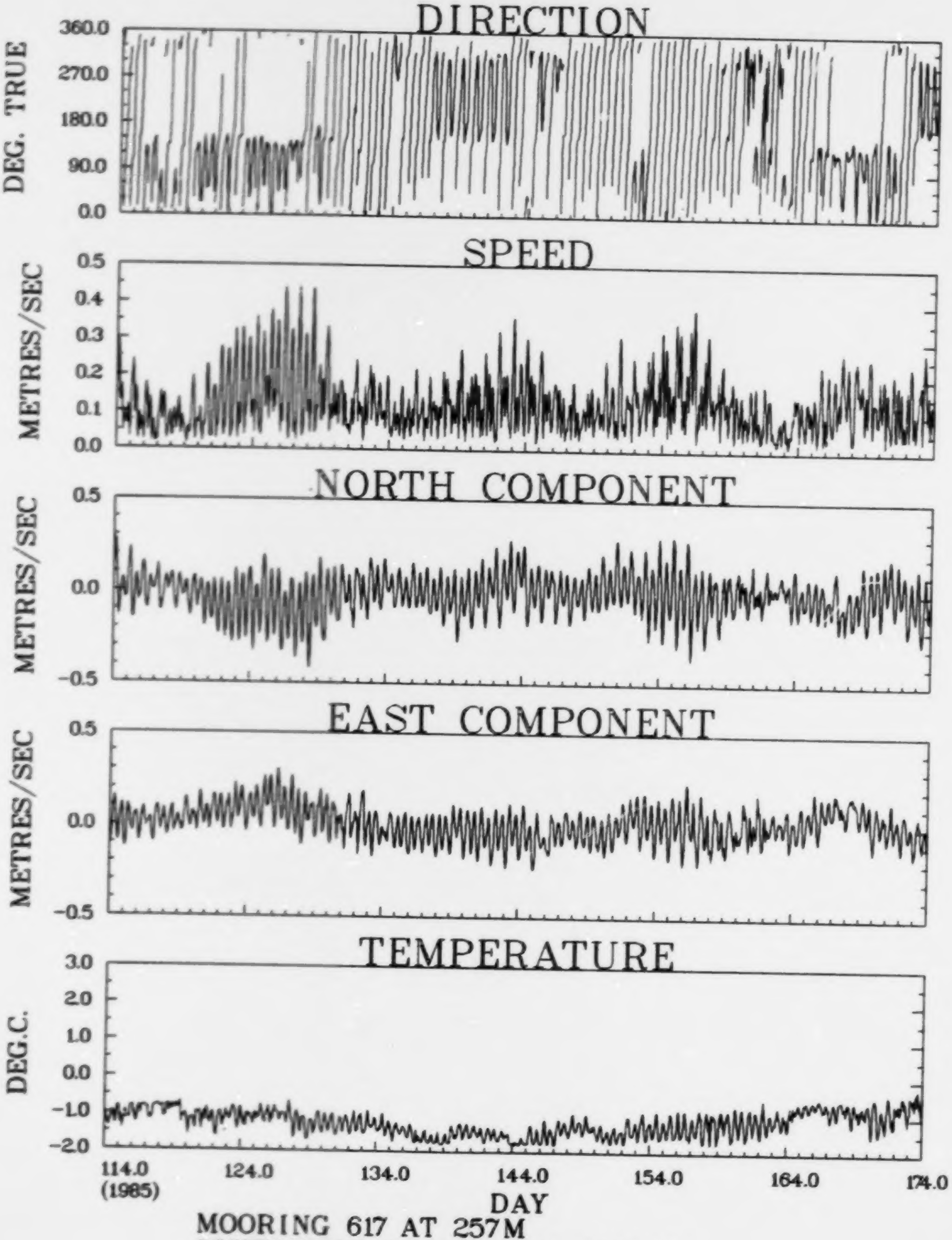
SOUTHWEST BAFFIN BAY 1984/5



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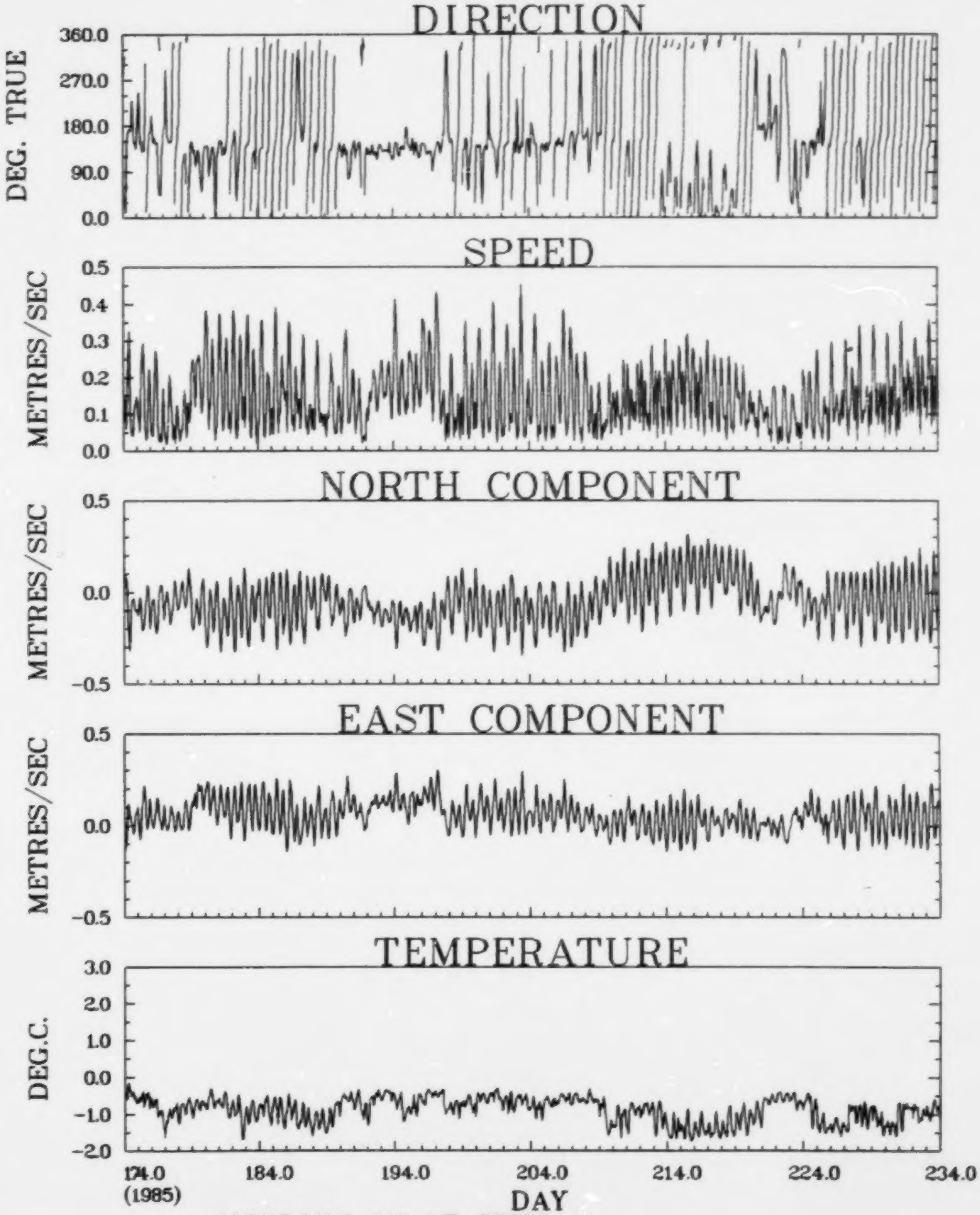
SOUTHWEST BAFFIN BAY 1984/5


DIRECTION

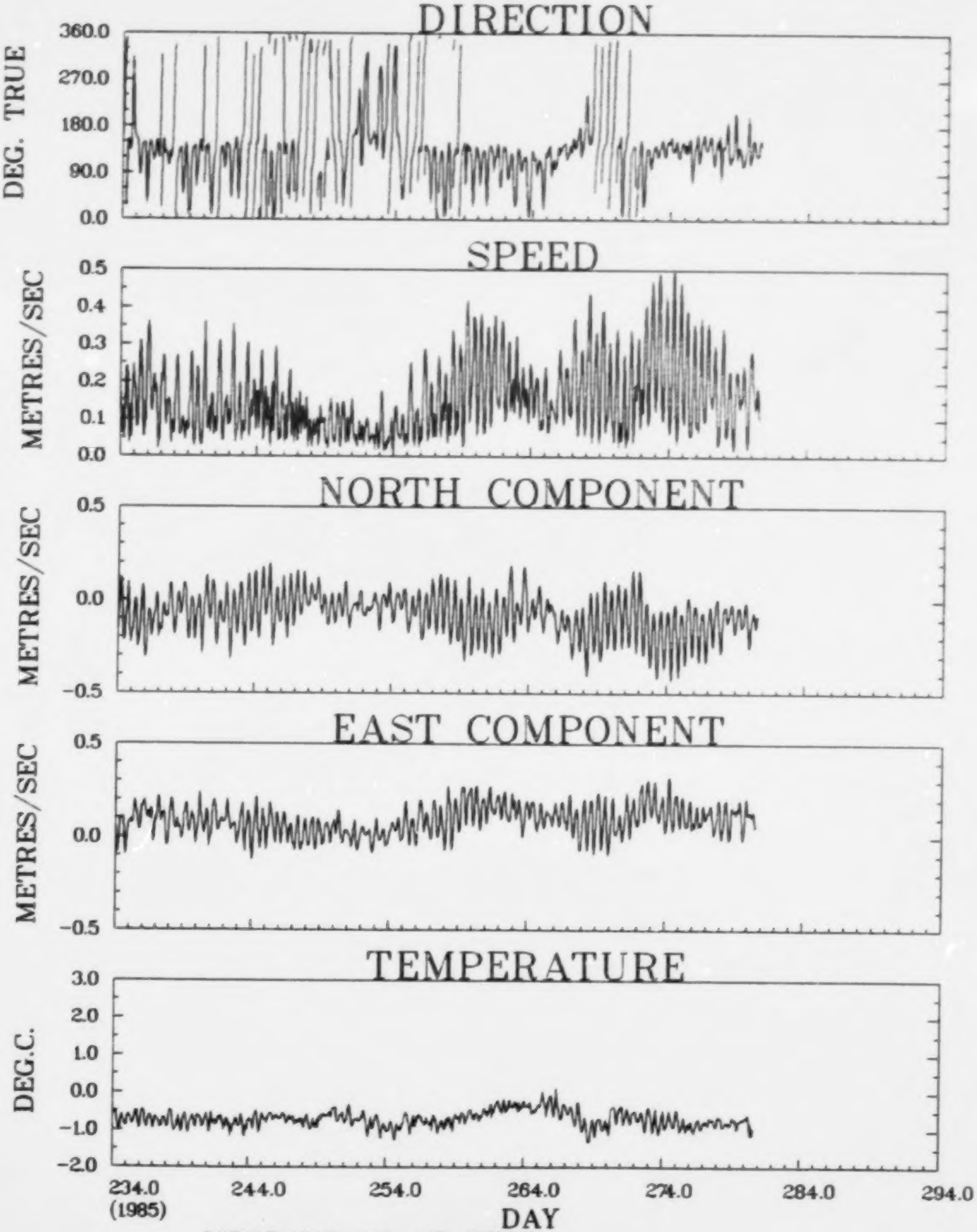
SPEED

NORTH COMPONENT

EAST COMPONENT

TEMPERATURE

MOORING 617 AT 257M
SOUTHWEST BAFFIN BAY 1984/5



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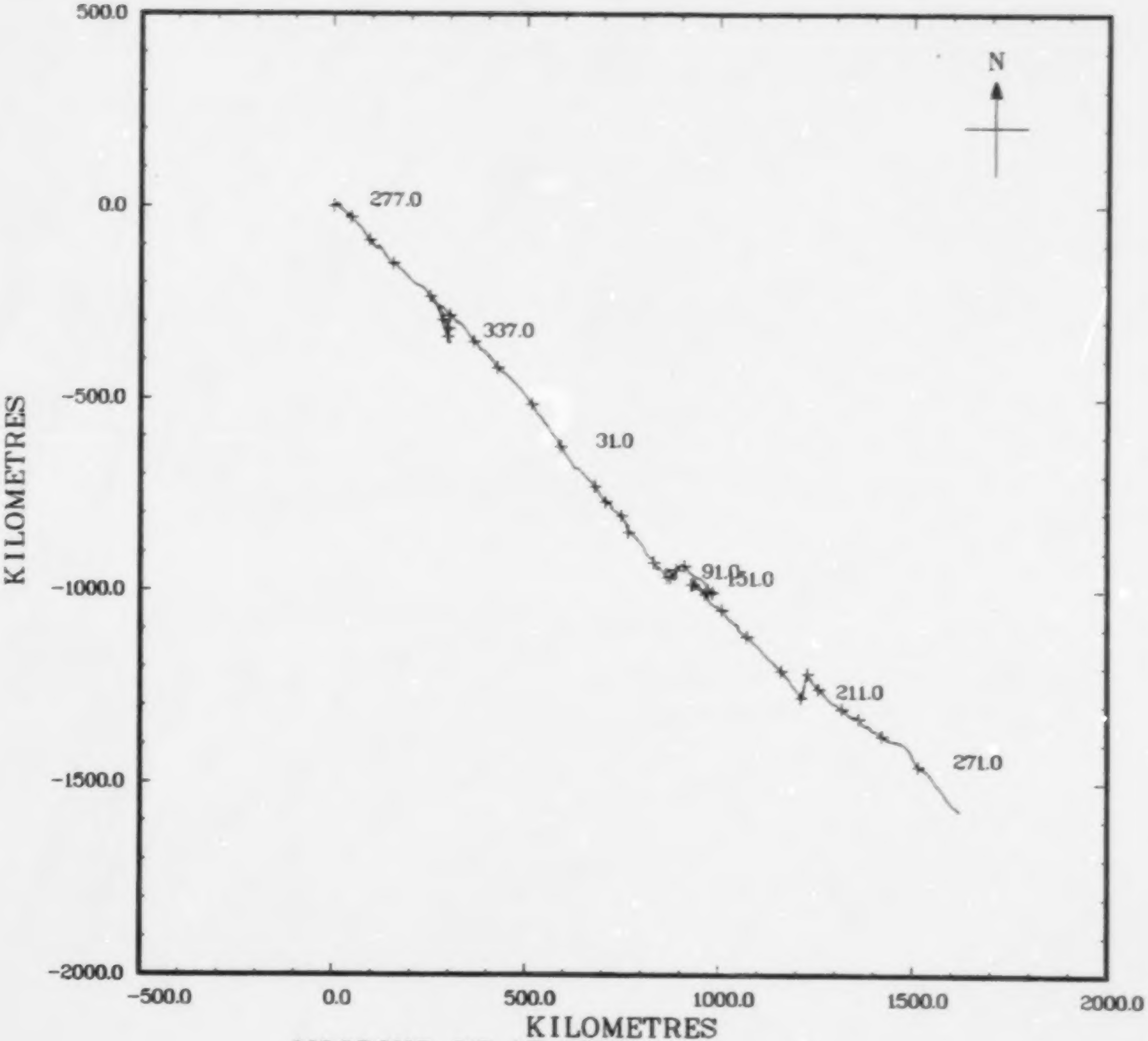
SOUTHWEST BAFFIN BAY 1984/5



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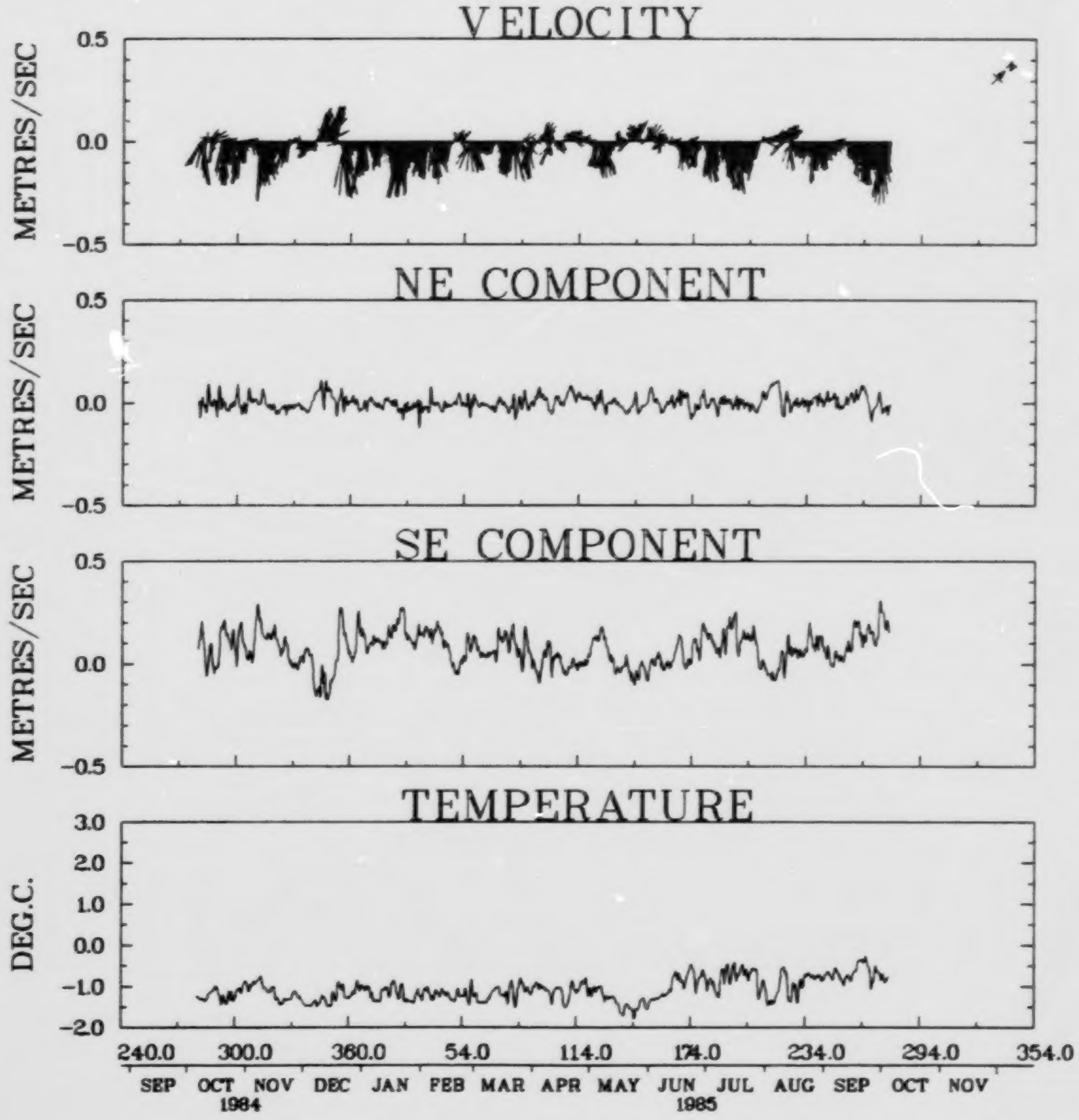
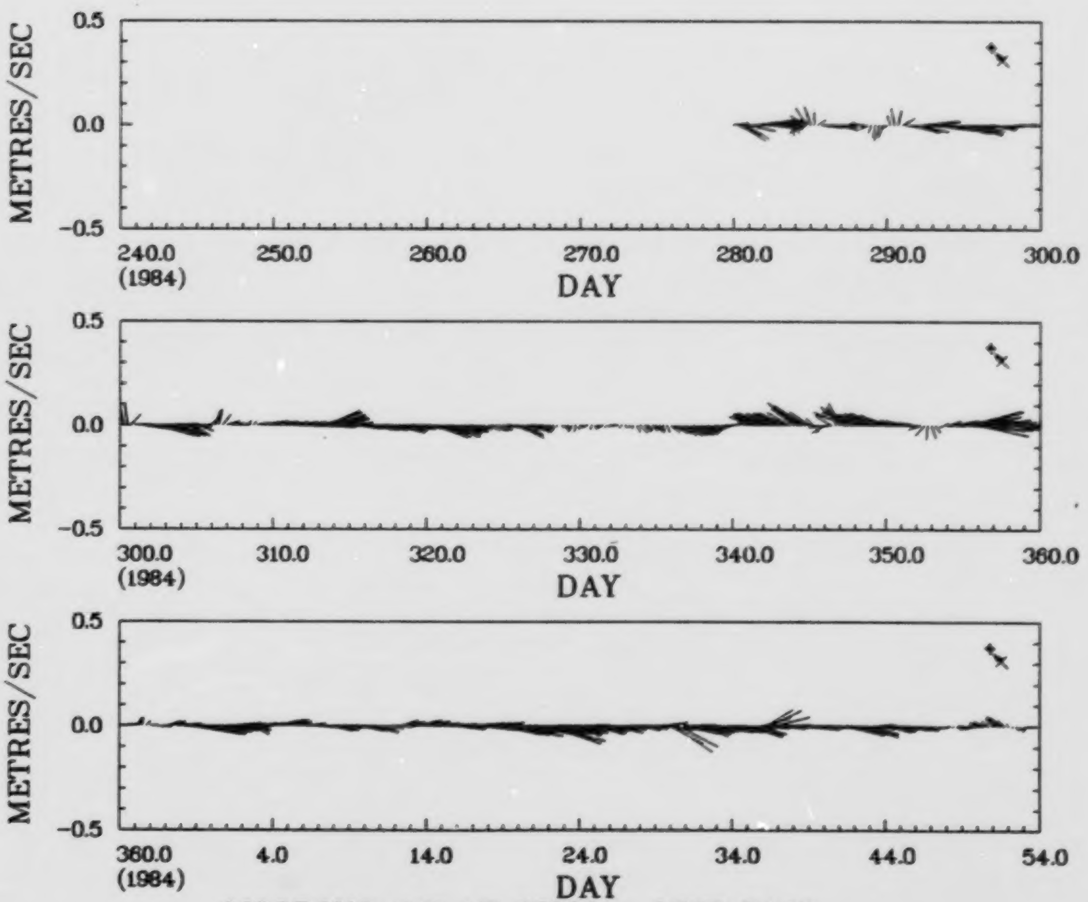
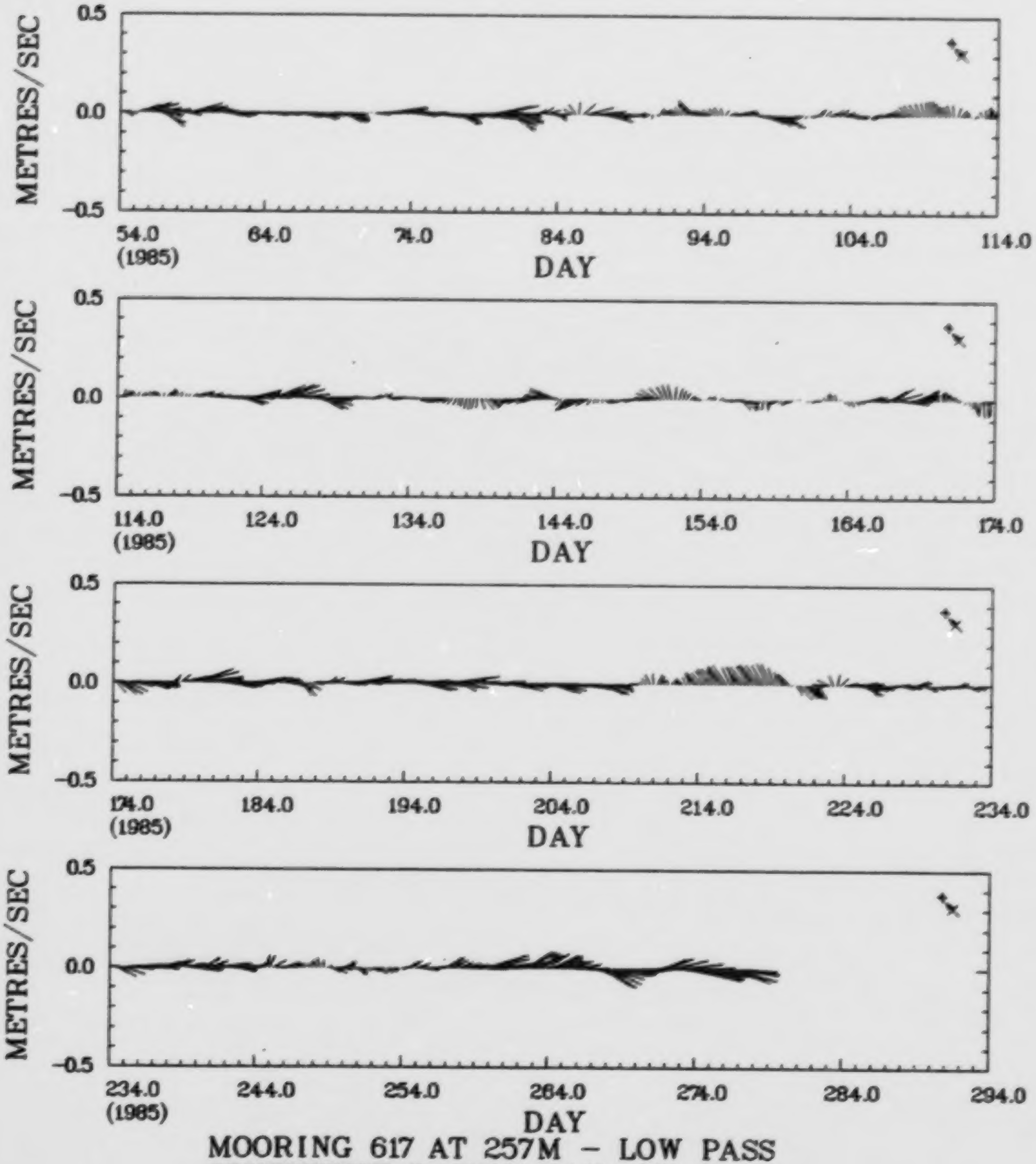
SOUTHWEST BAFFIN BAY 1984/5



MOORING 617 AT 257M - LOW PASS
SOUTHWESTERN BAFFIN BAY 1984/5



MOORING 617 AT 257M – LOW PASS
SOUTHWEST BAFFIN BAY 1984/5



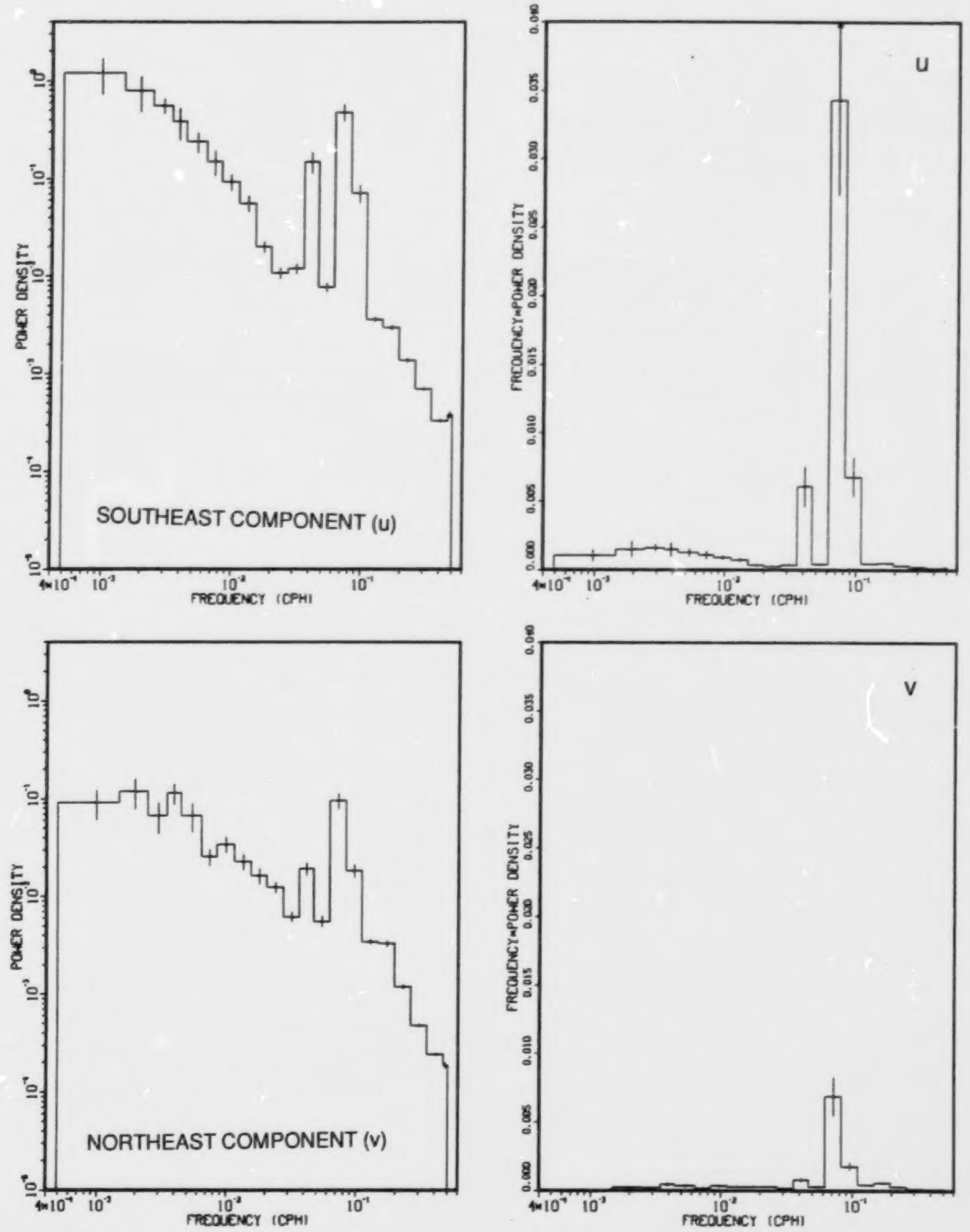
MOORING 617 AT 257M – LOW PASS
SOUTHWEST BAFFIN BAY 1984/5

Mooring 617
Depth 257 m

Tidal Analysis

370.0 d centred at day 095,1985

	Current Ellipse					Northeast Comp		Southeast Comp	
Const	Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Amp. (m/s)	Phase (deg)	Amp. (m/s)	Phase (deg)
K1	.047	.009	148	320	A	.014	101	.046	323
O1	.016	.002	146	273	A	.004	60	.016	275
M2	.145	.031	153	189	C	.053	43	.139	185
S2	.051	.005	154	218	C	.017	53	.049	216
N2	.035	.006	158	166	C	.015	6	.032	162
MF	.015	.001	129	92	C	.002	63	.015	92
M4	.004	.001	40	245	A	.004	244	.001	123
MS4	.002	.000	46	302	C	.002	302	.000	30



MOORING 617 AT 257M
SOUTHWEST BAFFIN BAY 1984/5

Mooring 617
Depth 357 m

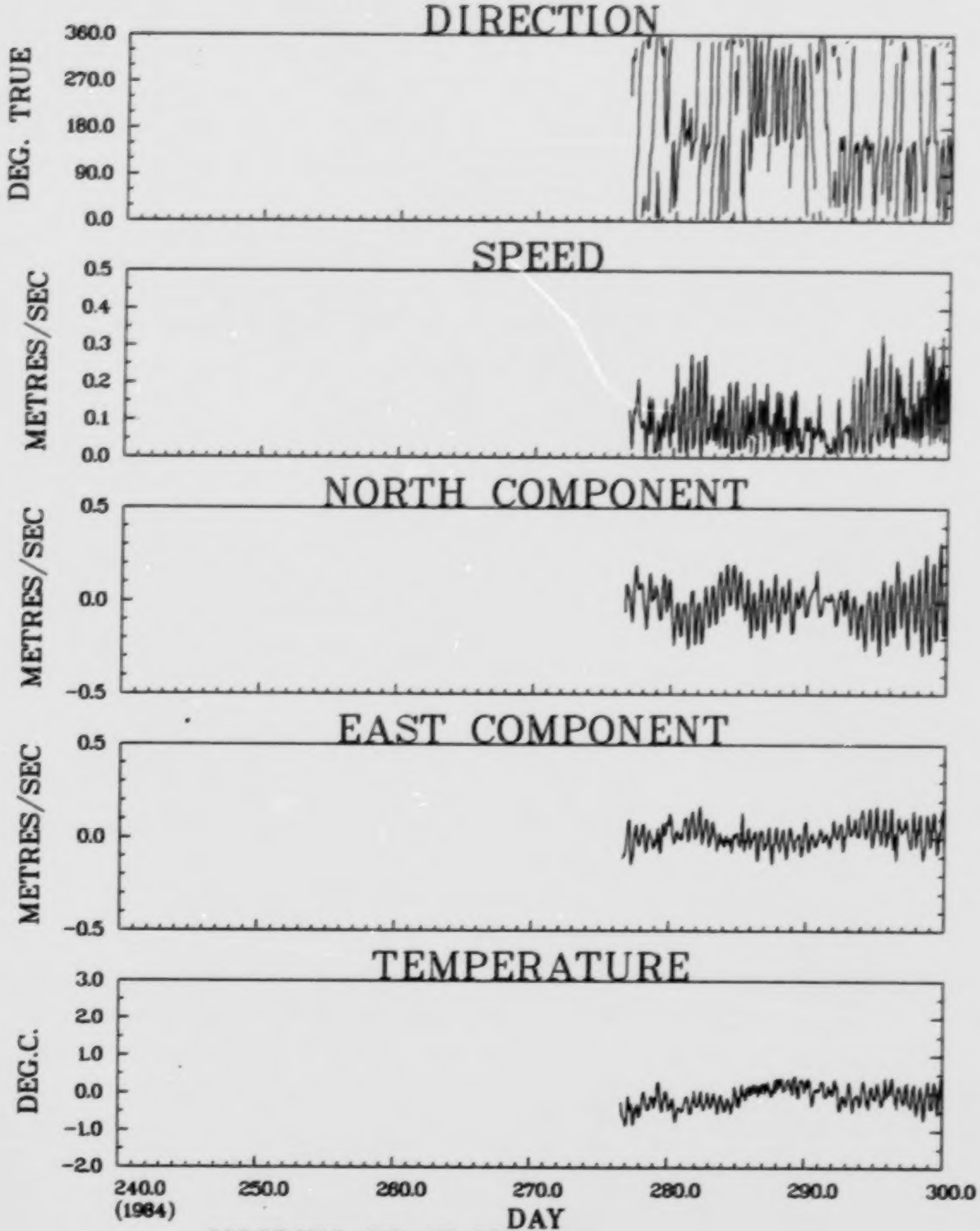
Latitude	67° 24.3N	Deployment	1649Z 2 Oct., 1984
Longitude	61° 27.0W	Recovery	1513Z 7 Oct., 1985
Water Depth	582 m	Duration	370 d

RECORD LENGTH STATISTICS

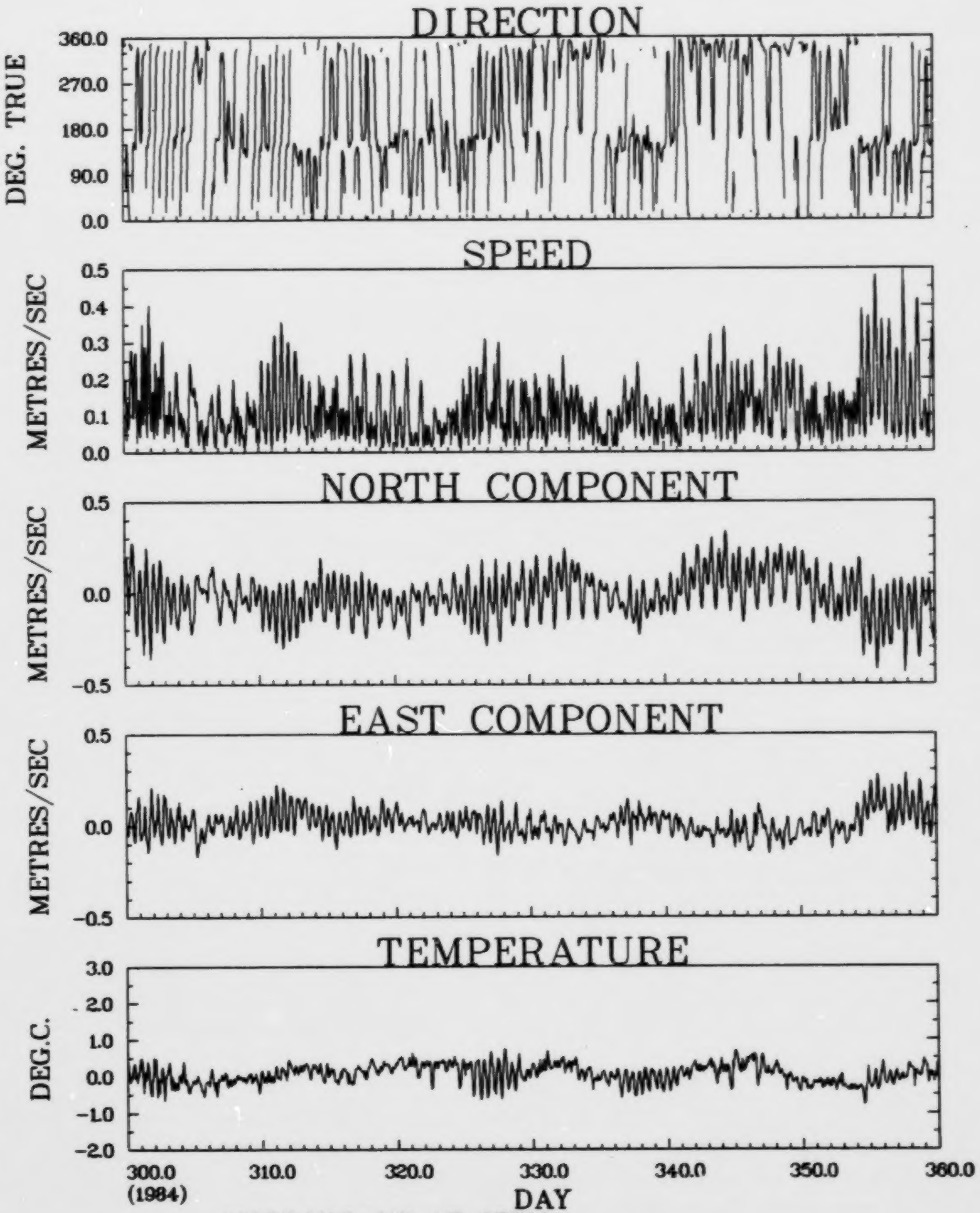
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	8879	354	358	356	0.6
Temperature (T)	°C	8879	-0.87	1.67	0.09	0.29
Speed (R)	ms^{-1}	8879	0.015	0.518	0.112	0.074
Northeast Component (V)	ms^{-1}	8879	-.194	0.212	-.001	0.054
Southeast Component (U)	ms^{-1}	8879	-.301	0.505	0.030	0.119

MONTHLY MEANS

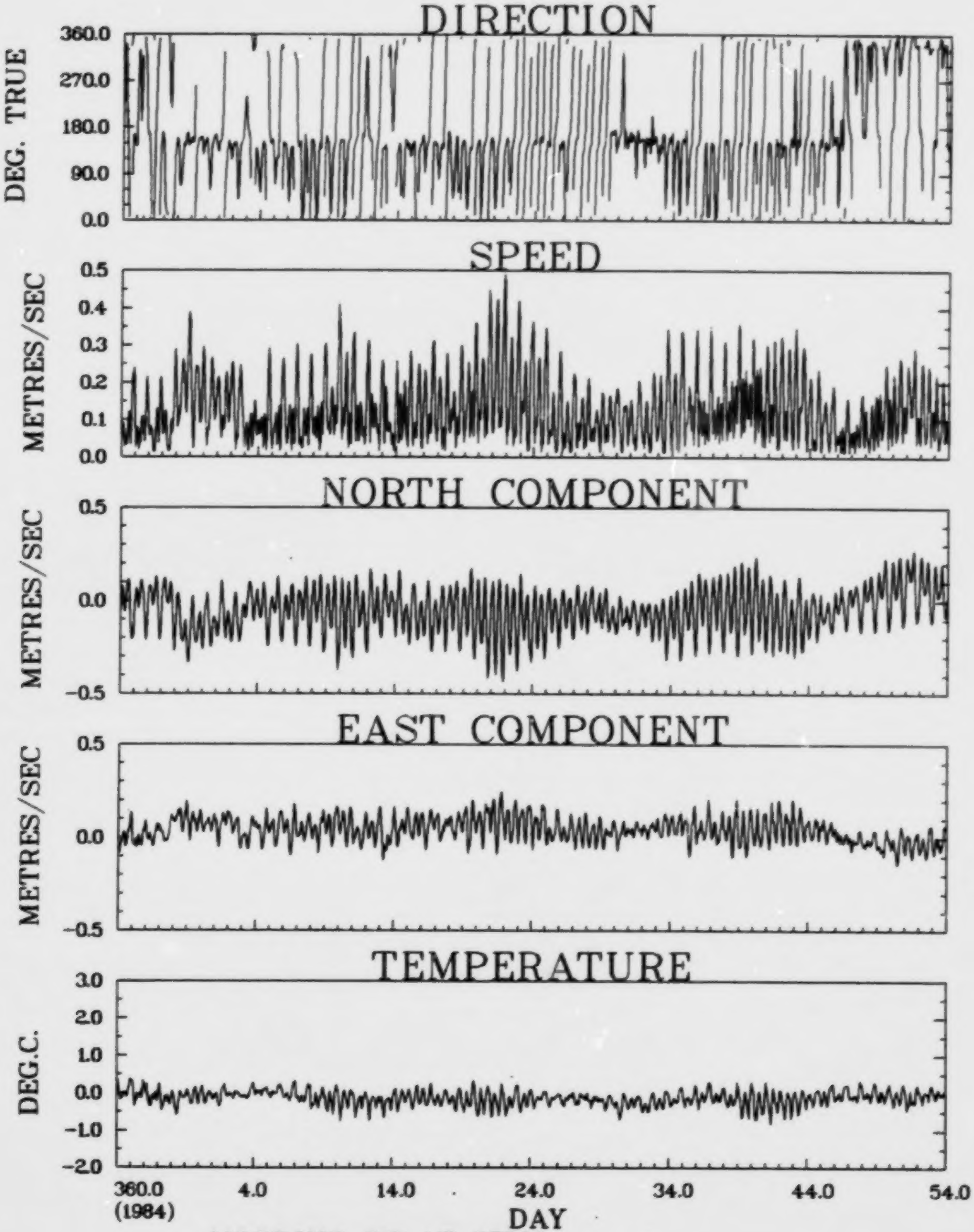
	Samples	T	R	V	U
October	704	-0.09±0.28	0.112±.074	-.003±.060	0.024±.117
November	720	0.13±0.24	0.104±.069	-.008±.051	0.032±.109
December	744	-0.02±0.25	0.129±.086	0.002±.062	0.025±.140
January	744	-0.14±0.20	0.130±.089	-.012±.057	0.085±.119
February	672	-0.11±0.20	0.117±.078	0.001±.057	0.029±.125
March	744	-0.05±0.23	0.101±.064	-.010±.050	0.043±.100
April	720	0.10±0.16	0.104±.063	0.019±.052	-.035±.102
May	744	0.17±0.24	0.108±.066	0.008±.047	-.028±.114
June	720	0.41±0.27	0.103±.060	0.006±.048	0.008±.109
July	744	0.31±0.27	0.115±.076	-.008±.047	0.080±.101
August	744	0.16±0.25	0.099±.061	0.004±.052	0.025±.101
September	720	0.26±0.17	0.121±.084	-.003±.050	0.053±.128
October	159	0.05±0.12	0.114±.079	-.004±.050	0.087±.095



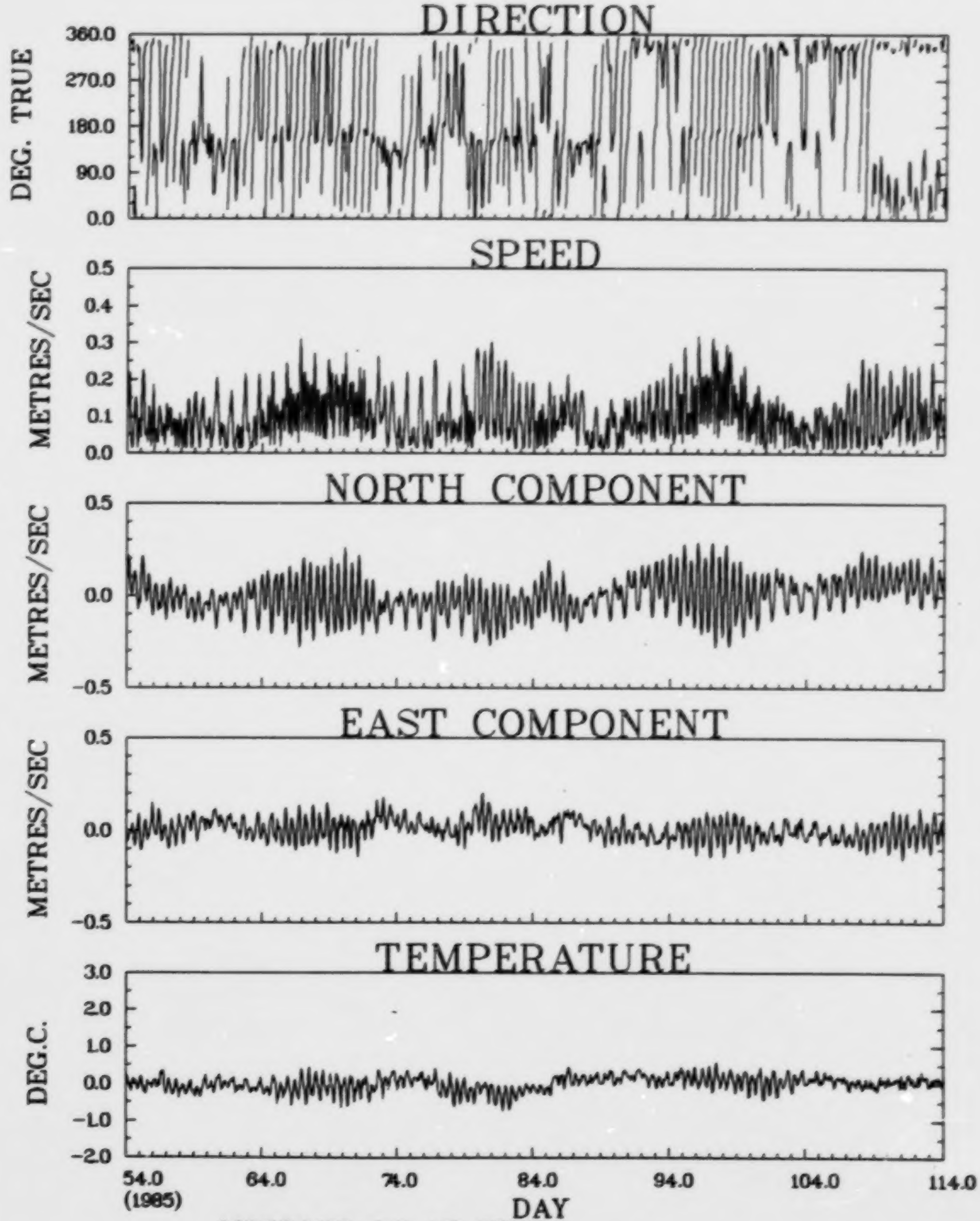
MOORING 617 AT 357M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 617 AT 357M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 617 AT 357M
SOUTHWEST BAFFIN BAY 1984/5



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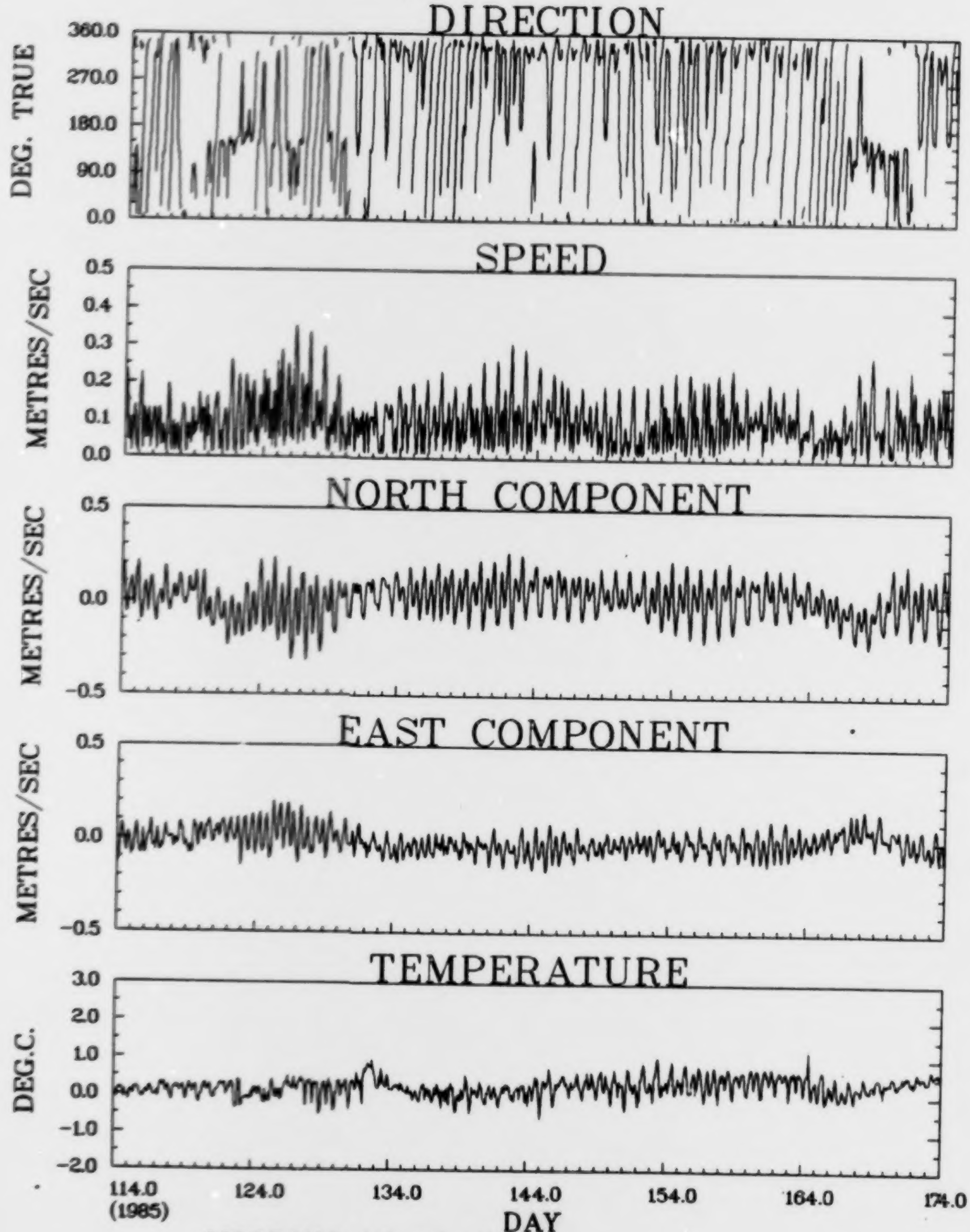
SOUTHWEST BAFFIN BAY 1984/5



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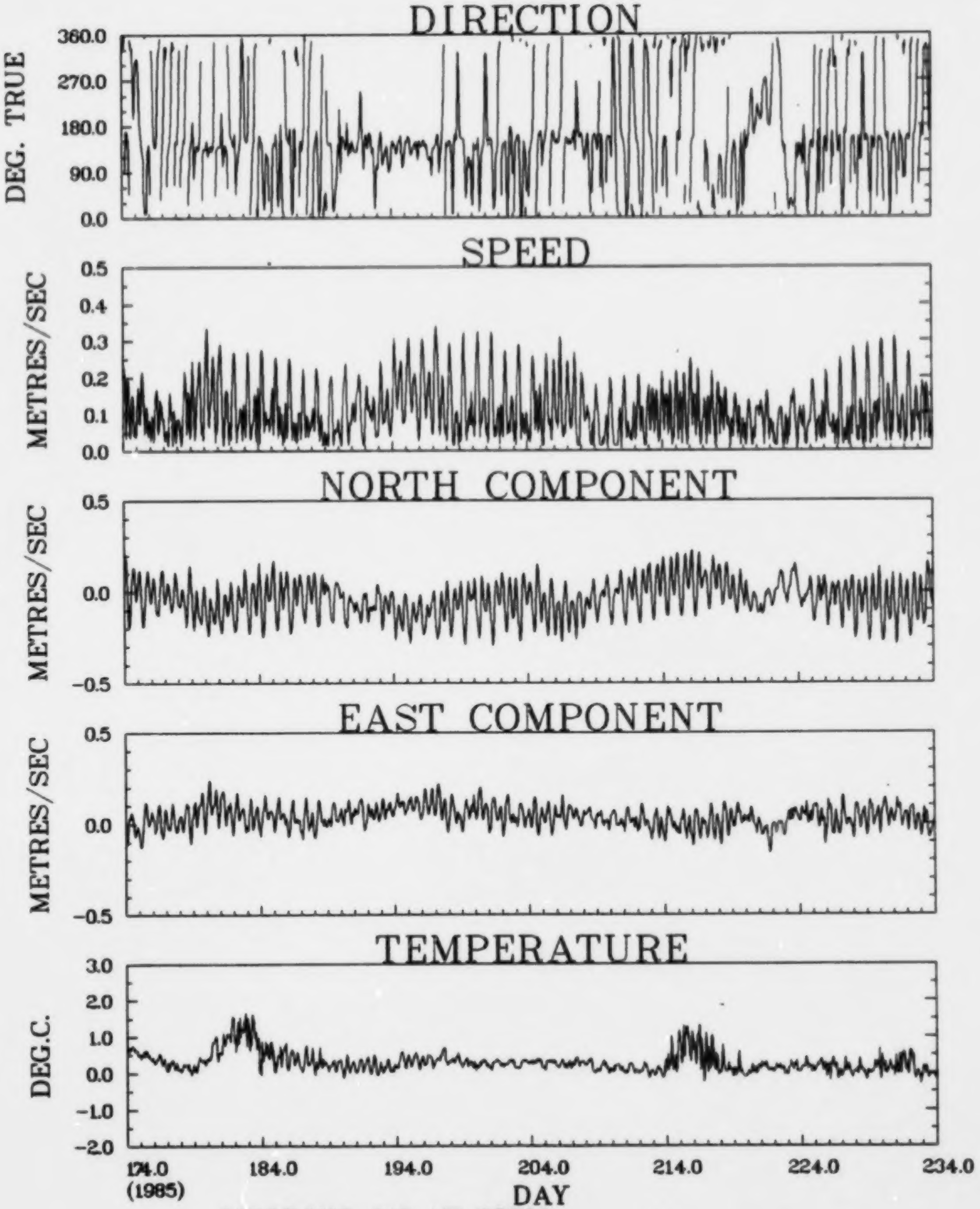
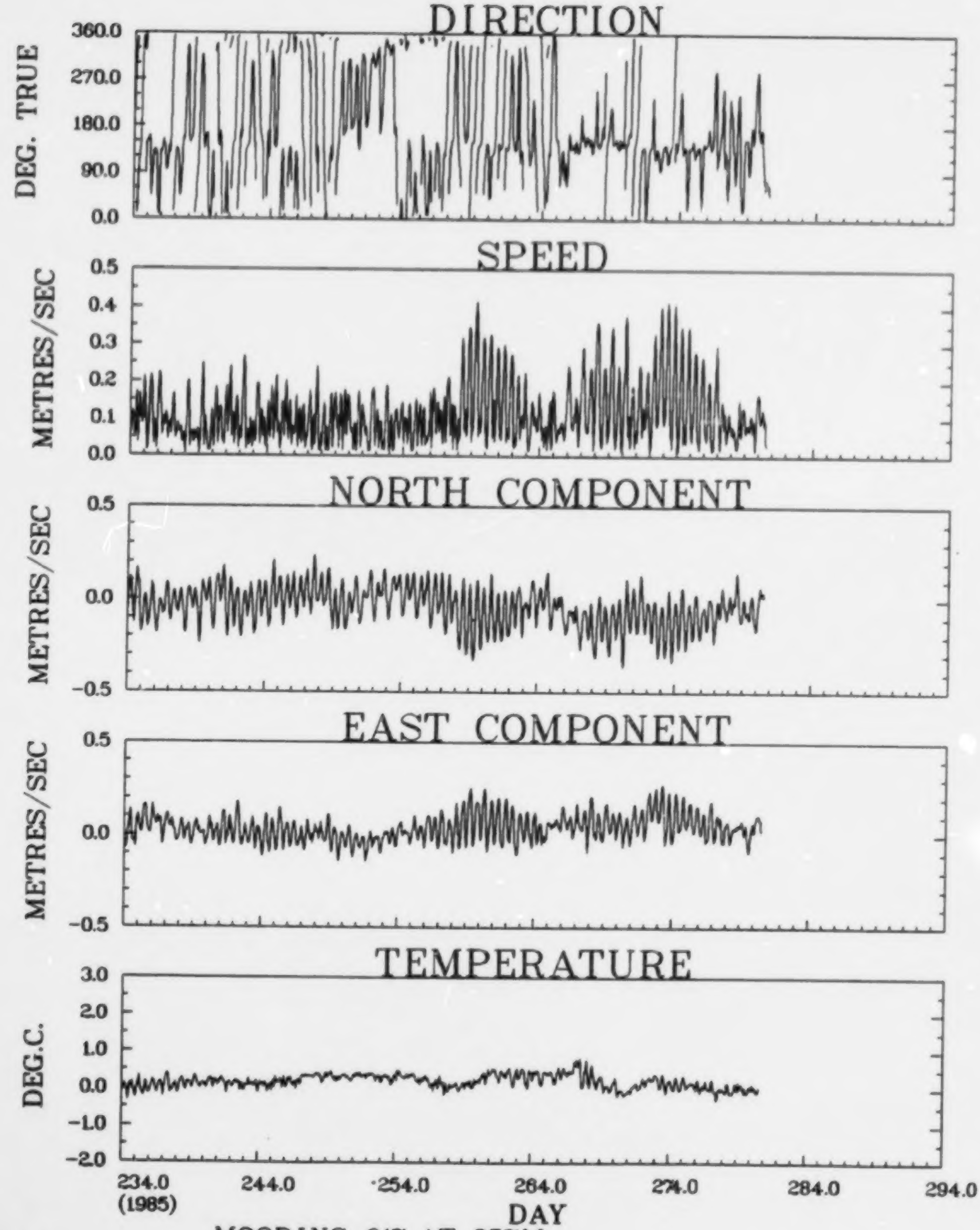
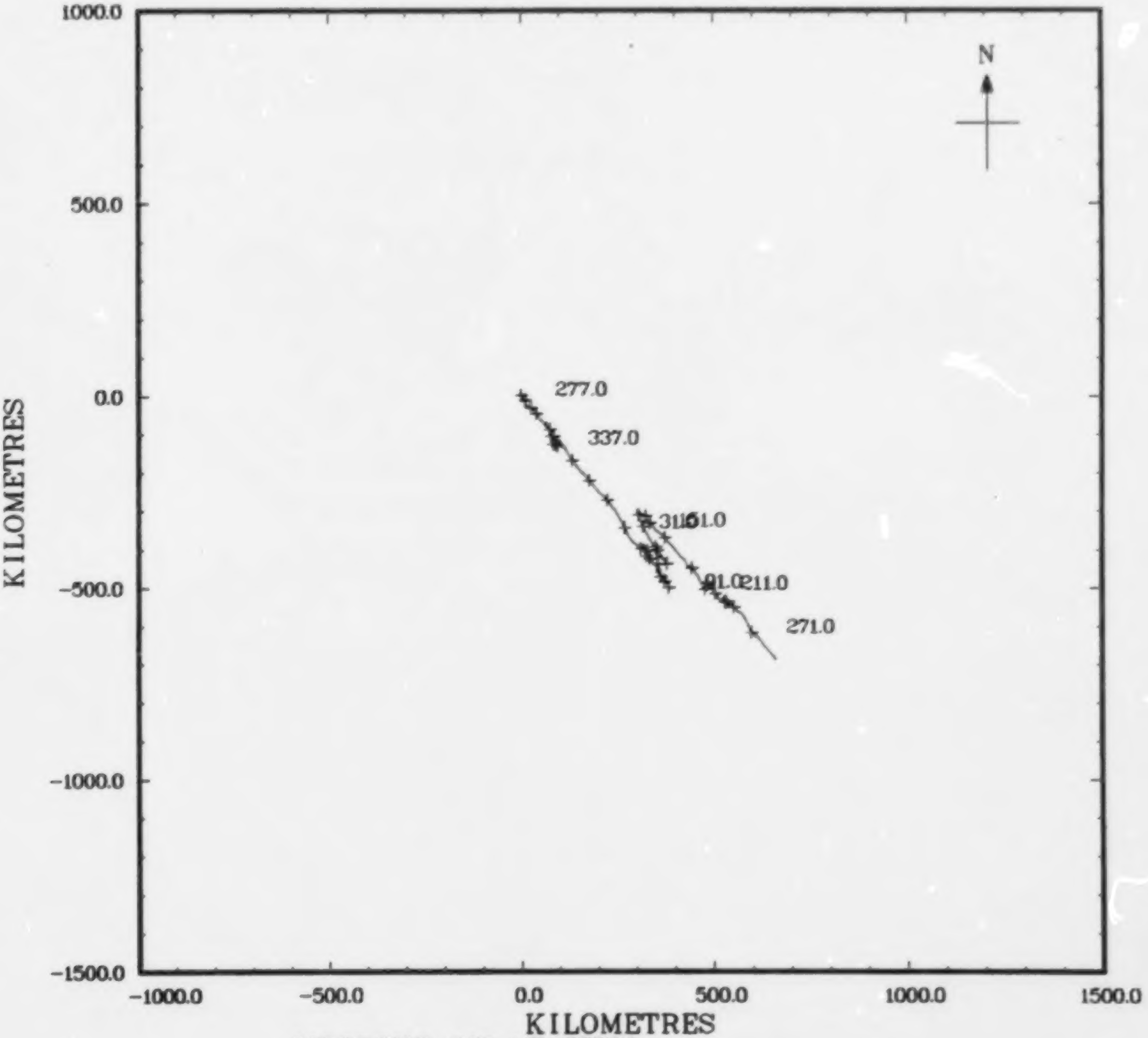


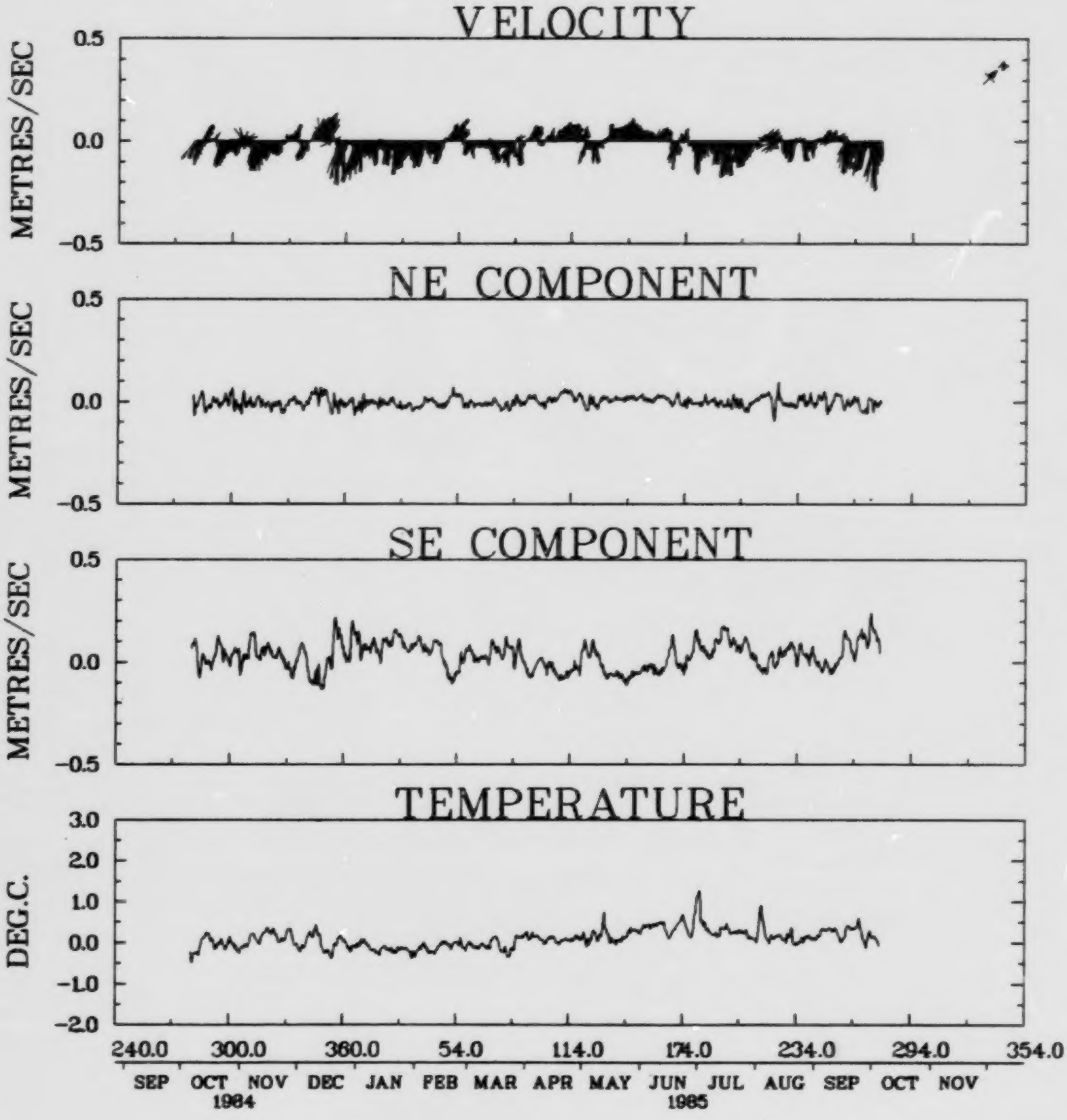
MOORING 617 AT 357M
SOUTHWEST BAFFIN BAY 1984/5



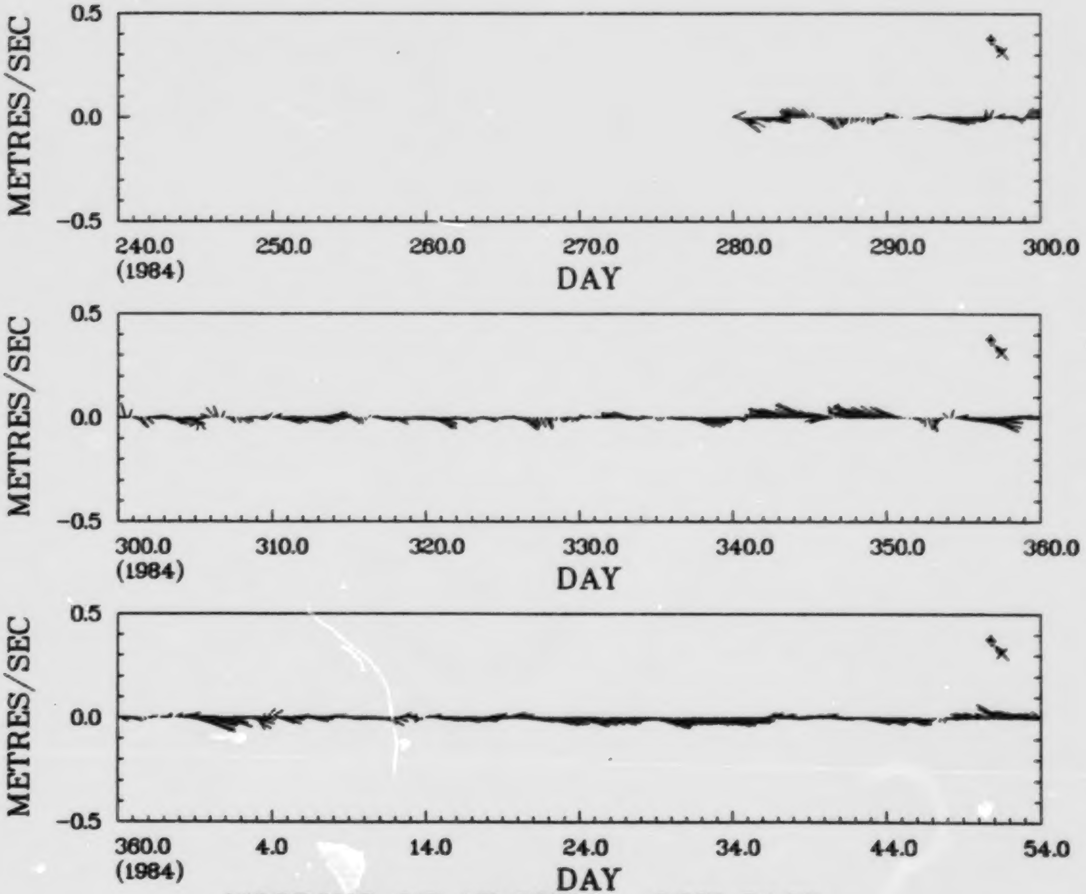
MOORING 617 AT 357M
SOUTHWEST BAFFIN BAY 1984/5



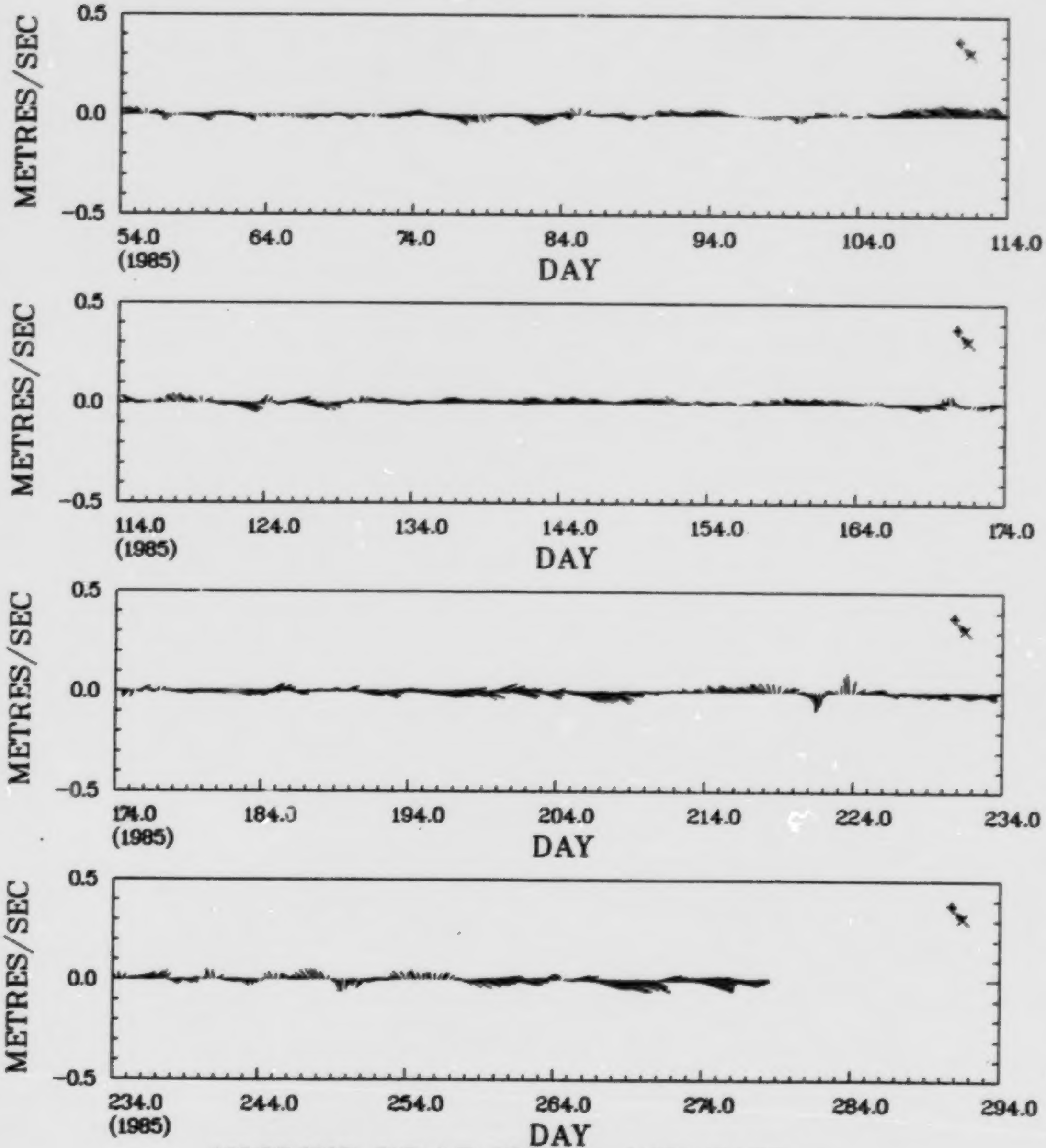
MOORING 617 AT 357M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 617 AT 357M - LOW PASS
SOUTHWESTERN BAFFIN BAY 1984/5



MOORING 617 AT 357M – LOW PASS
SOUTHWEST BAFFIN BAY 1984/5



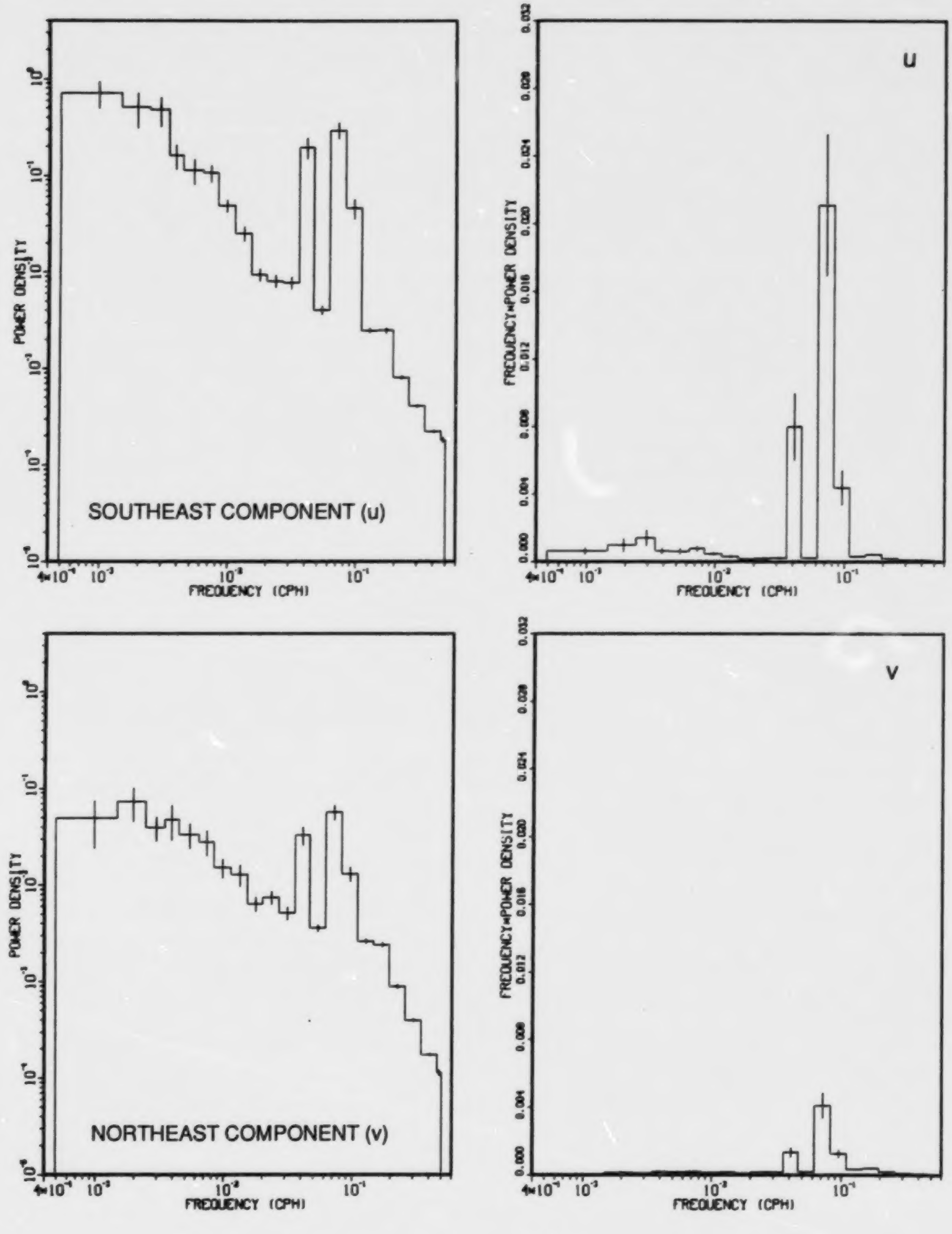
MOORING 617 AT 357M - LOW PASS
SOUTHWEST BAFFIN BAY 1984/5

Mooring 617
Depth 357 m

Tidal Analysis

370.0 d centred at day 095,1985

	Current Ellipse					Northeast Comp		Southeast Comp	
Const	Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Amp. (m/s)	Phase (deg)	Amp. (m/s)	Phase (deg)
K1	.056	.007	155	312	A	.020	113	.053	315
O1	.020	.001	157	260	A	.007	71	.018	262
M2	.114	.012	154	190	C	.039	27	.107	188
S2	.044	.001	155	219	C	.015	41	.041	219
N2	.028	.002	161	171	C	.012	357	.025	169
MF	.013	.001	147	85	C	.003	279	.013	85
M4	.005	.001	134	150	C	.001	67	.005	150
MS4	.002	.001	154	199	C	.001	82	.002	187



MOORING 617 AT 357M
SOUTHWEST BAFFIN BAY 1984/5

Mooring 617
Depth 557 m

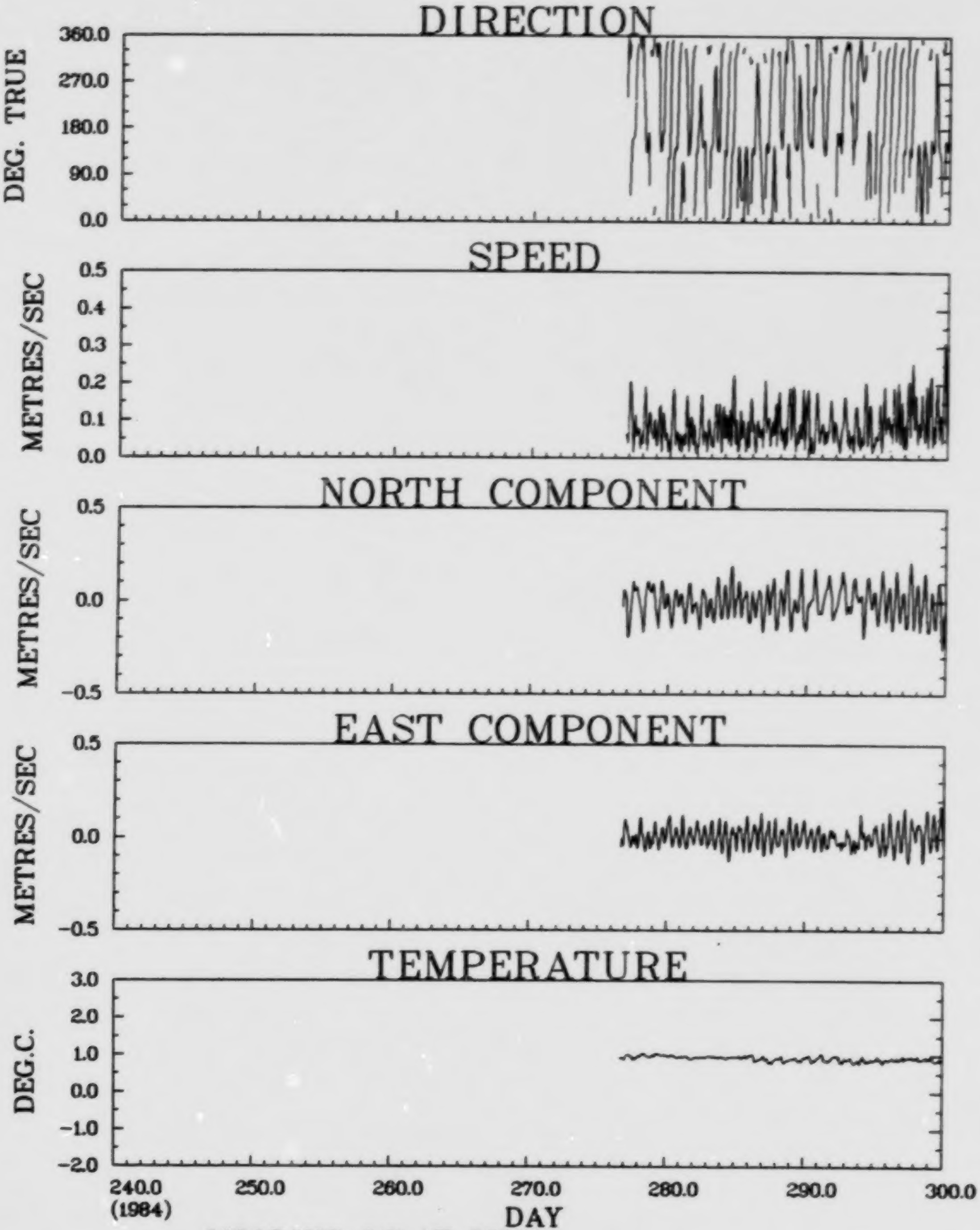
Latitude	67° 24.3N	Deployment	1649Z 2 Oct., 1984
Longitude	61° 27.0W	Recovery	1513Z 7 Oct., 1985
Water Depth	582 m	Duration	370 d

RECORD LENGTH STATISTICS

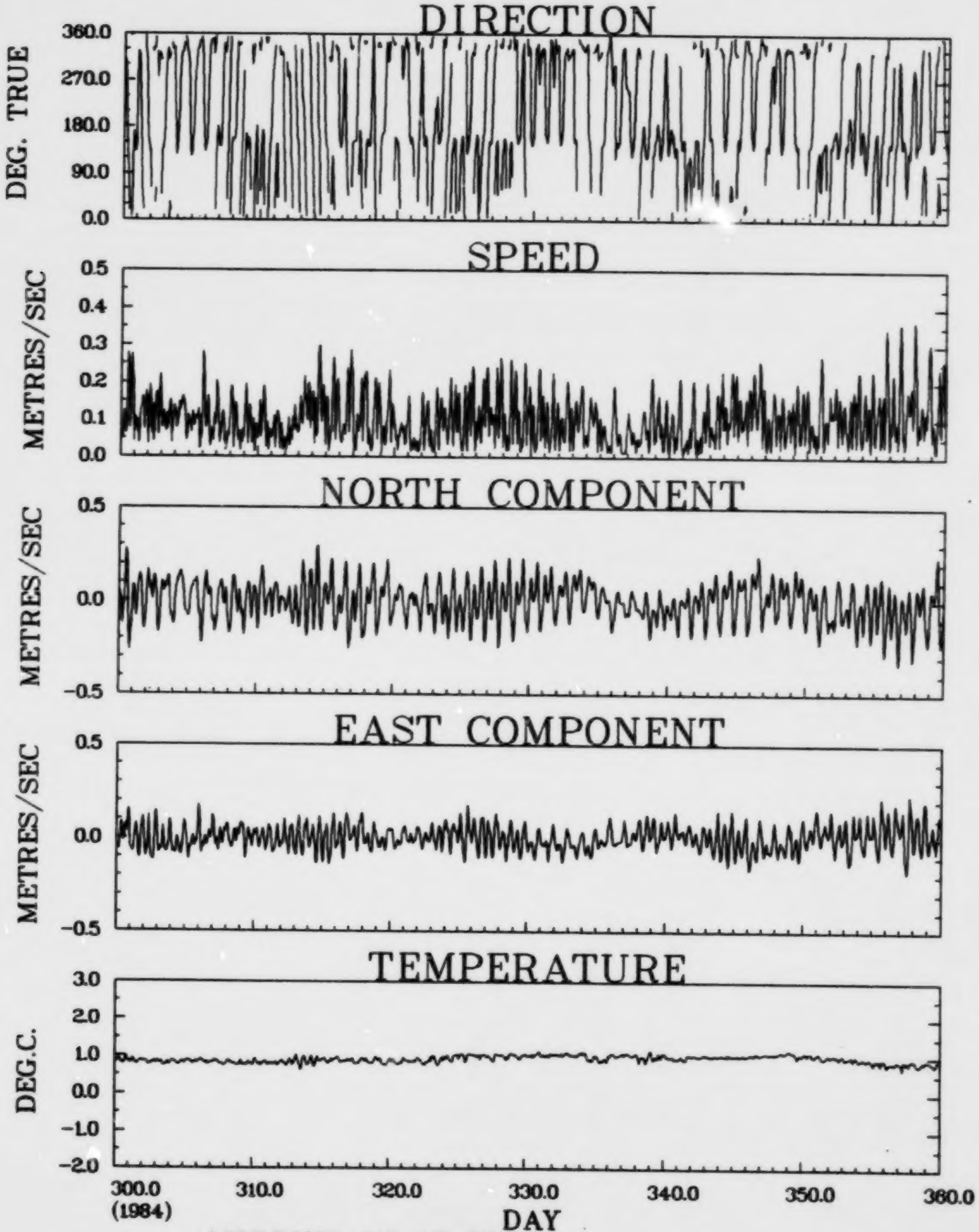
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	8879	535	558	555	0.7
Temperature (T)	°C	8879	0.57	1.21	0.92	0.13
Speed (R)	ms^{-1}	8879	0.015	0.367	0.094	0.056
Northeast Component (V)	ms^{-1}	8879	-.161	0.195	0.001	0.045
Southeast Component (U)	ms^{-1}	8879	-.313	0.356	0.003	0.100

MONTHLY MEANS

	Samples	T	R	V	U
October	704	0.90±0.06	0.094±.052	0.003±.045	0.002±.098
November	720	0.92±0.10	0.101±.061	0.005±.049	-.005±.107
December	744	0.96±0.10	0.103±.066	-.002±.047	0.018±.111
January	744	0.79±0.06	0.096±.059	-.006±.048	0.013±.101
February	672	0.91±0.05	0.088±.056	-.001±.037	0.001±.098
March	744	0.95±0.04	0.085±.048	-.002±.038	0.001±.090
April	720	1.03±0.03	0.088±.052	0.004±.036	-.011±.095
May	744	1.03±0.05	0.094±.055	0.003±.039	-.017±.100
June	720	1.09±0.06	0.096±.056	0.003±.044	0.005±.102
July	744	0.98±0.12	0.094±.055	0.001±.048	0.010±.098
August	744	0.83±0.09	0.095±.053	0.001±.051	0.007±.096
September	720	0.69±0.03	0.100±.060	-.002±.050	0.014±.104
October	159	0.66±0.03	0.088±.048	0.003±.053	0.007±.085



MOORING 617 AT 557M
SOUTHWEST BAFFIN BAY 1984/5



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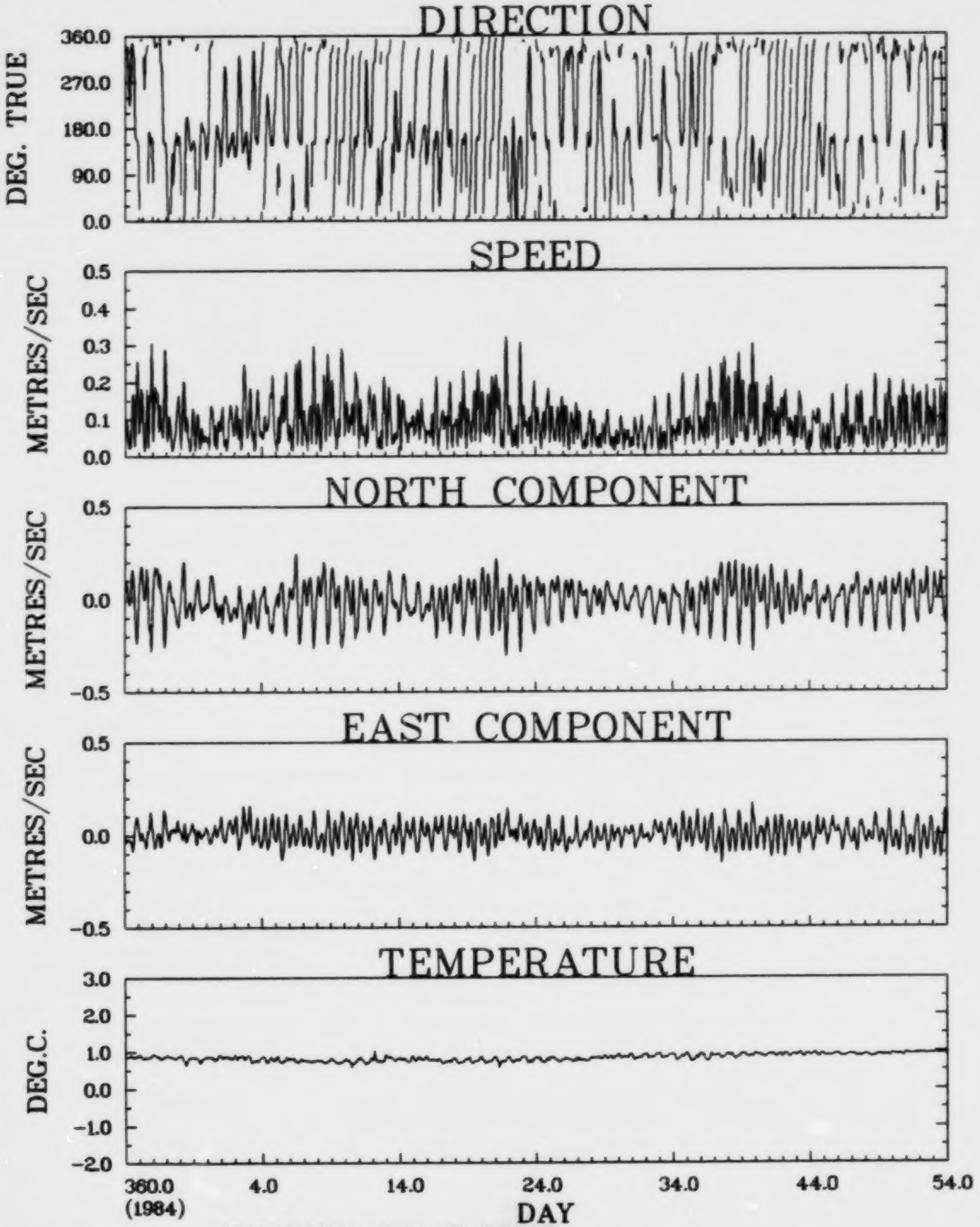
SOUTHWEST BAFFIN BAY 1984/5



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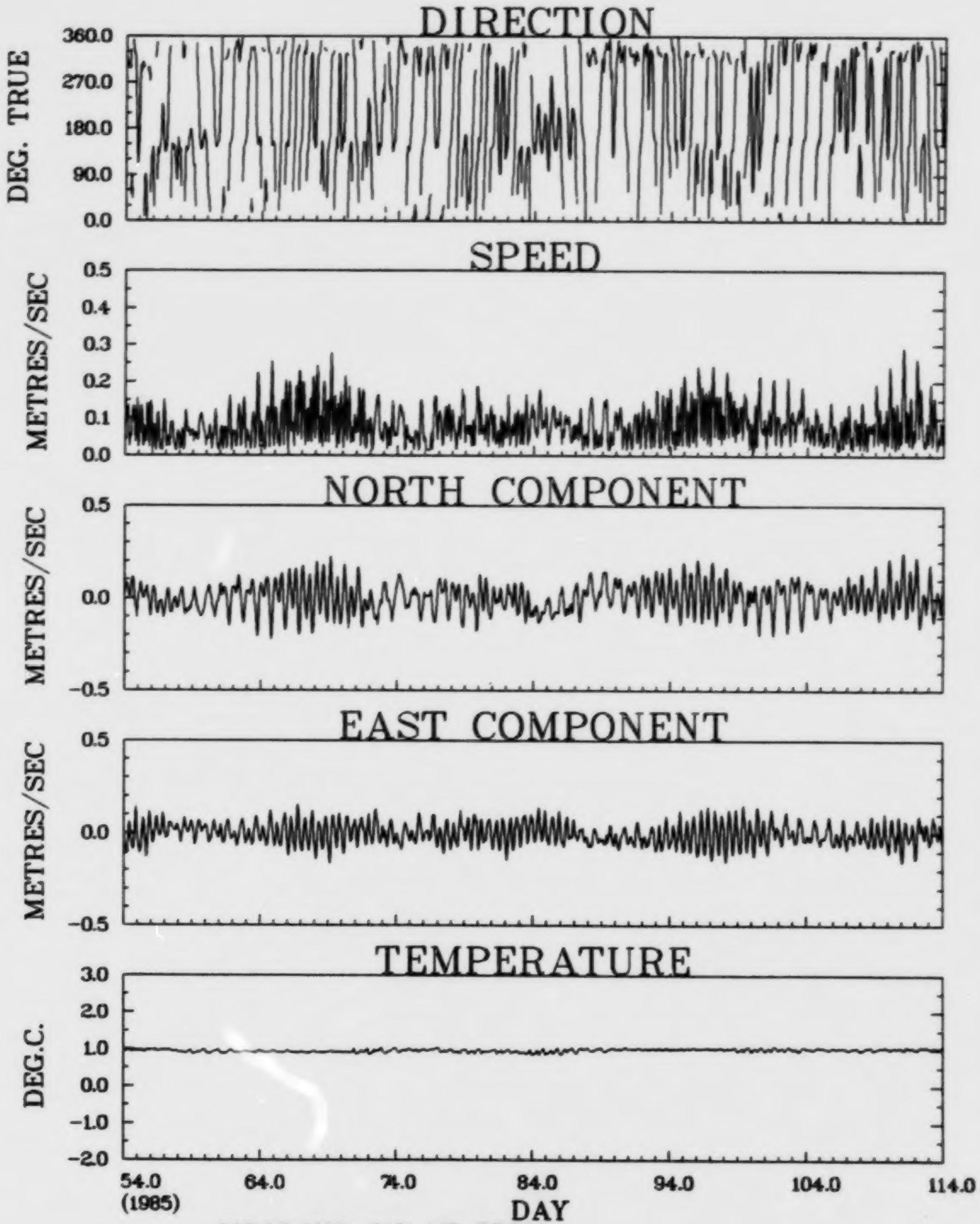

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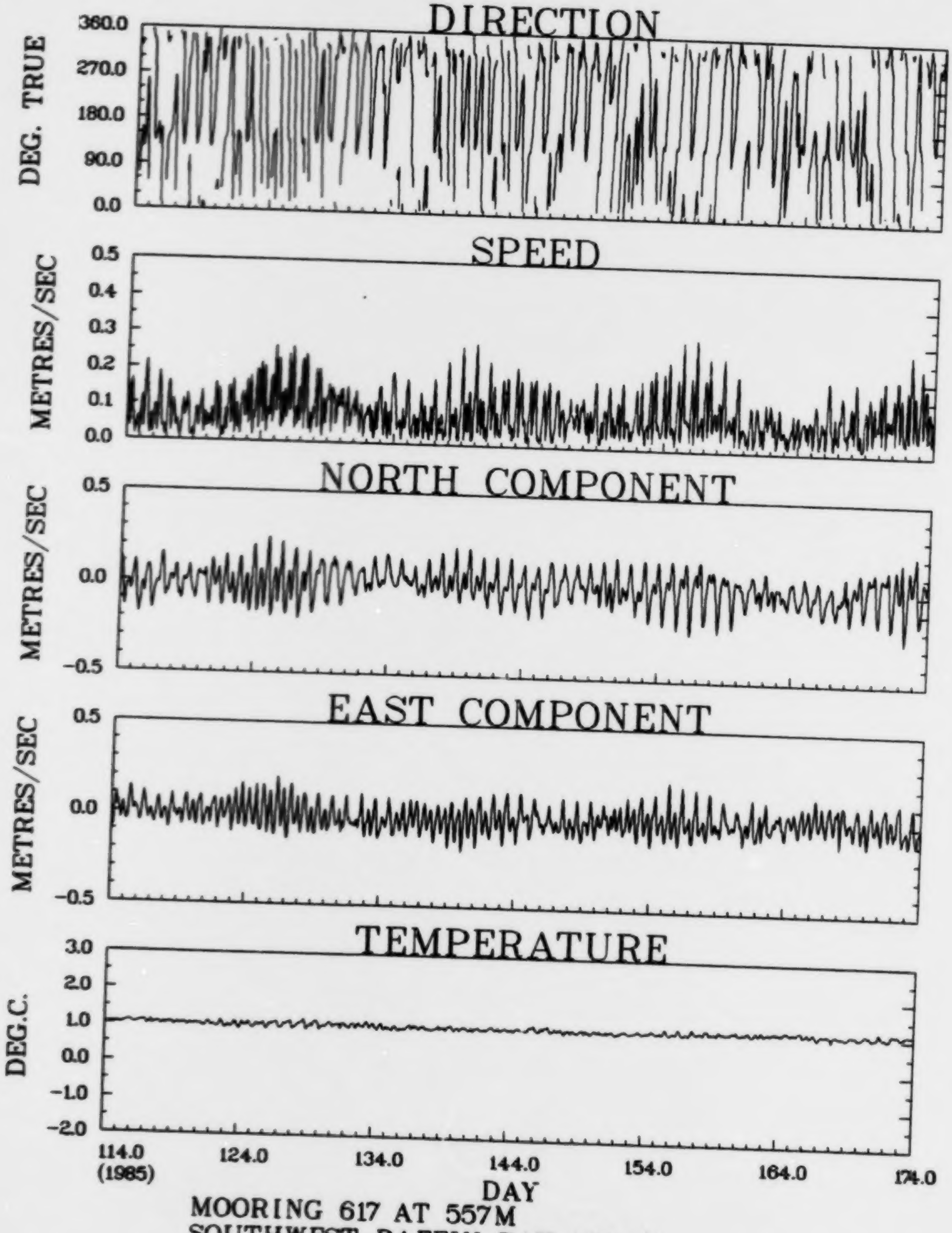

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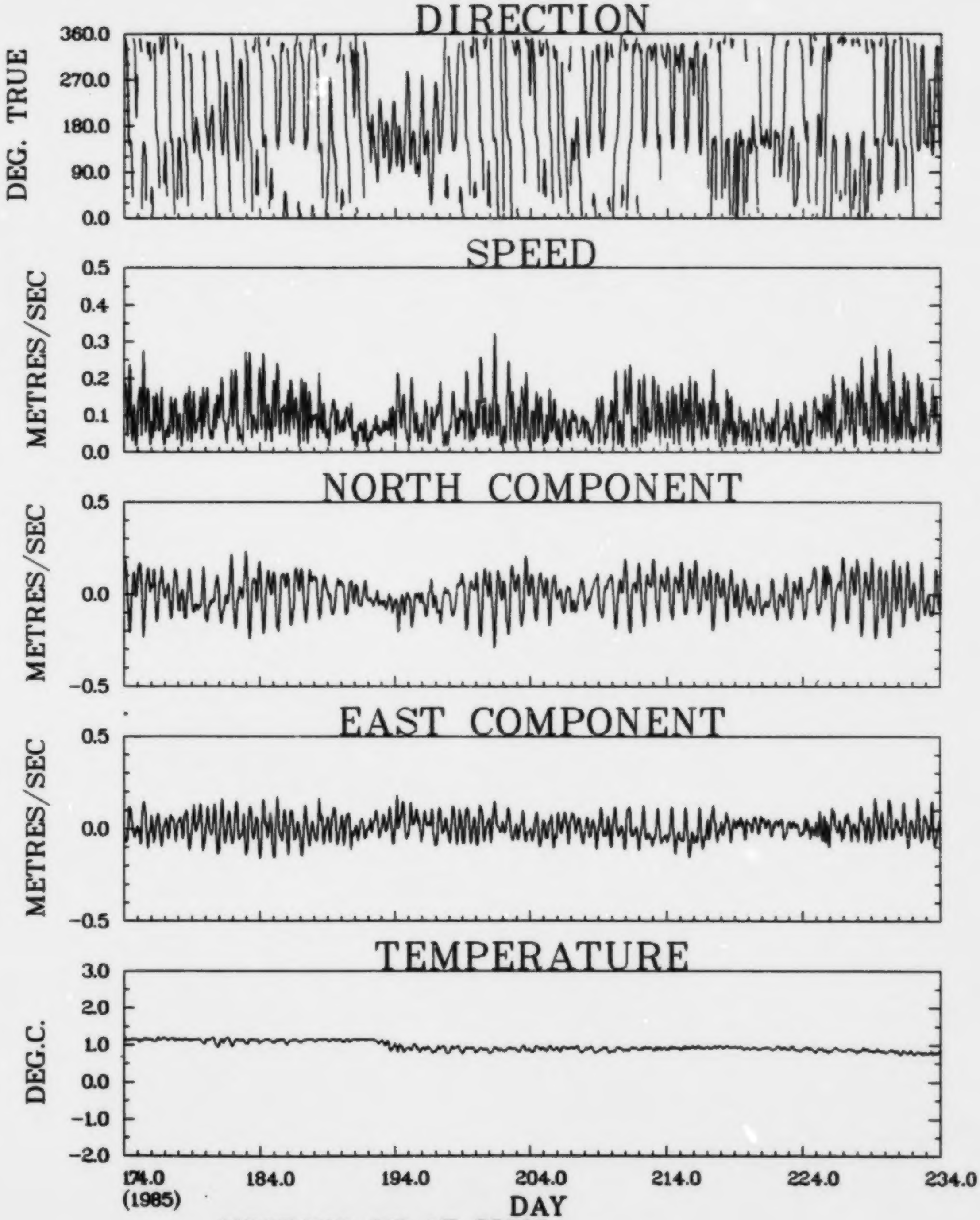

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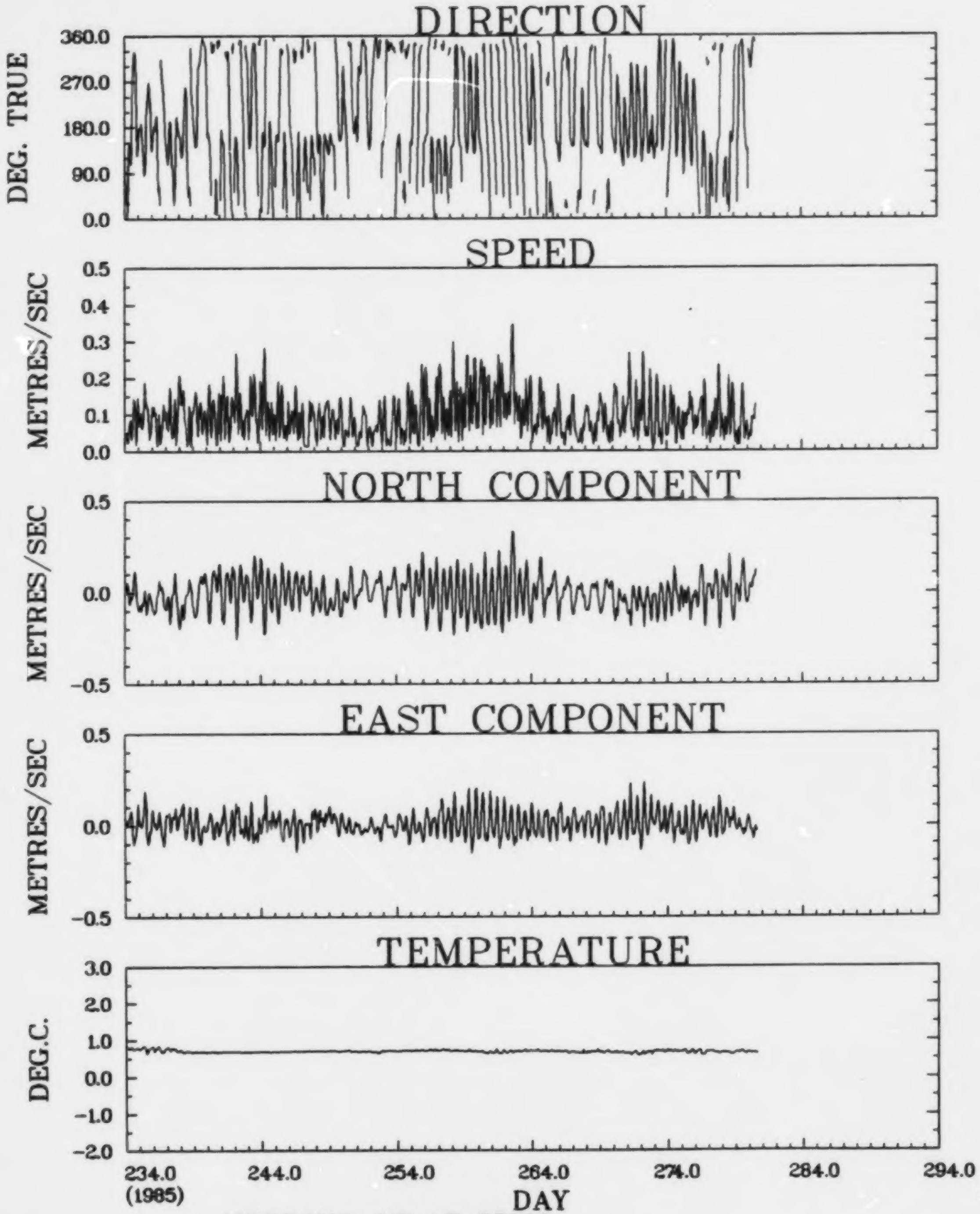
SOUTHWEST BAFFIN BAY 1984/5



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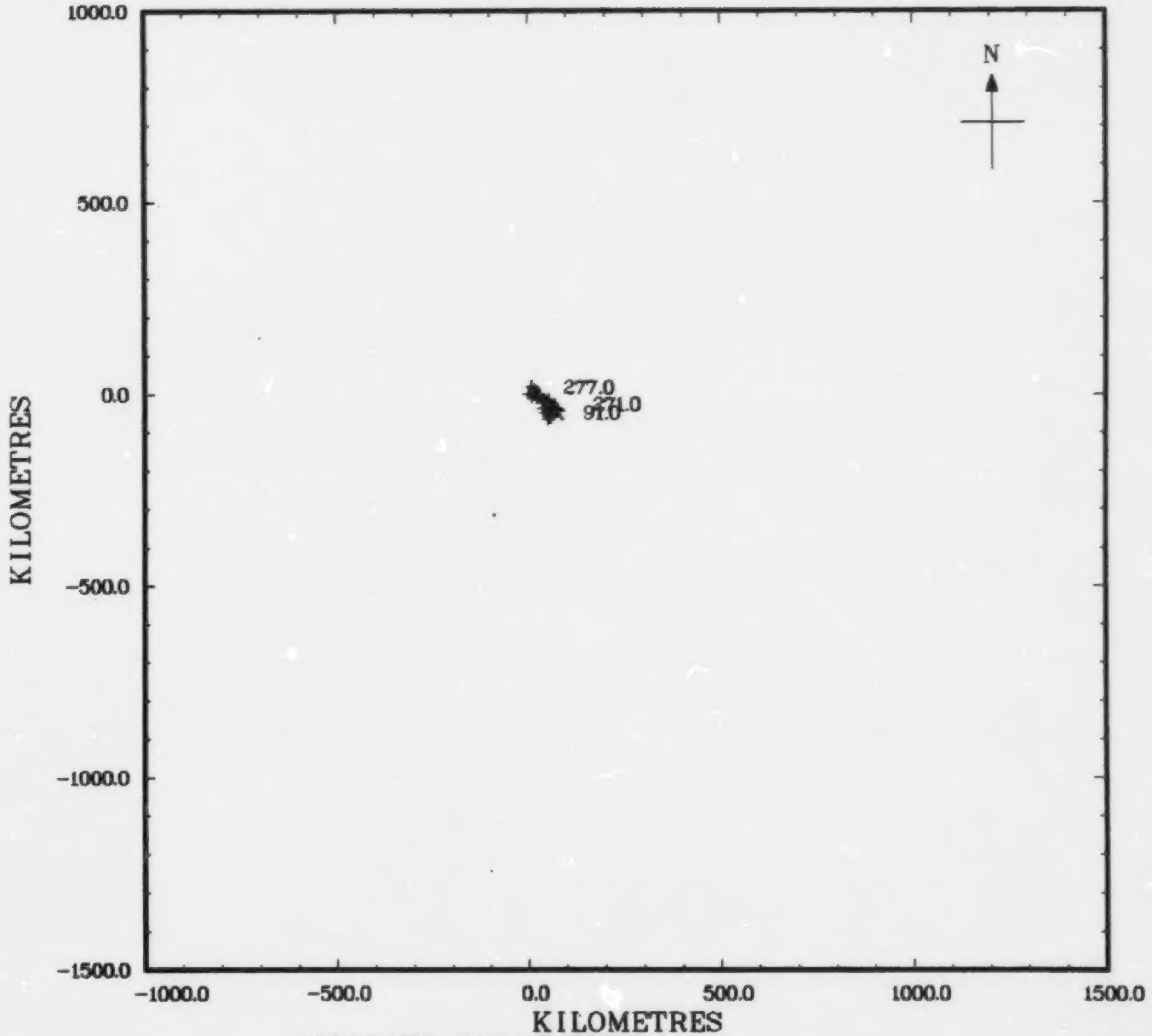
SOUTHWEST BAFFIN BAY 1984/5



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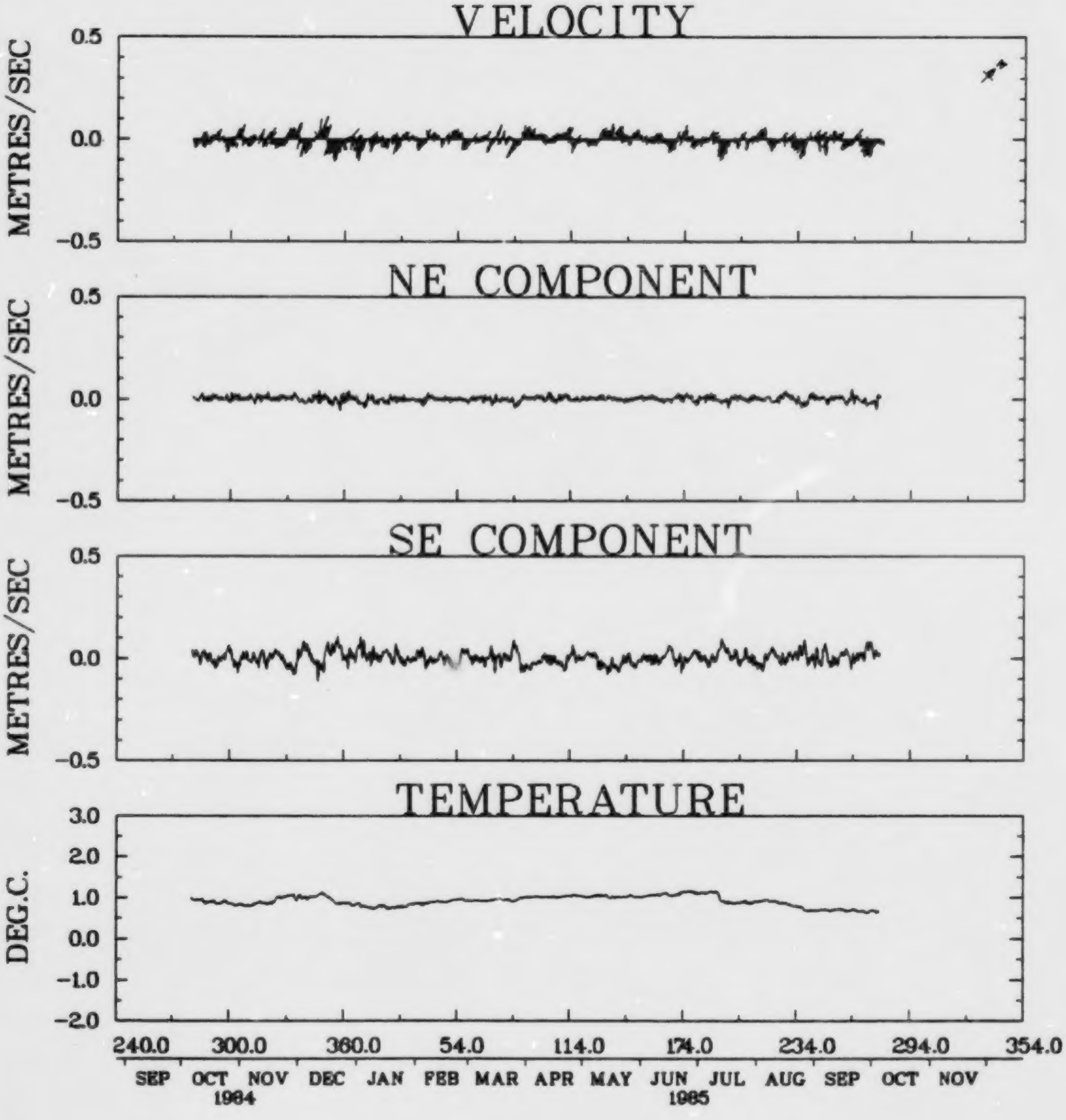
SOUTHWEST BAFFIN BAY 1984/5

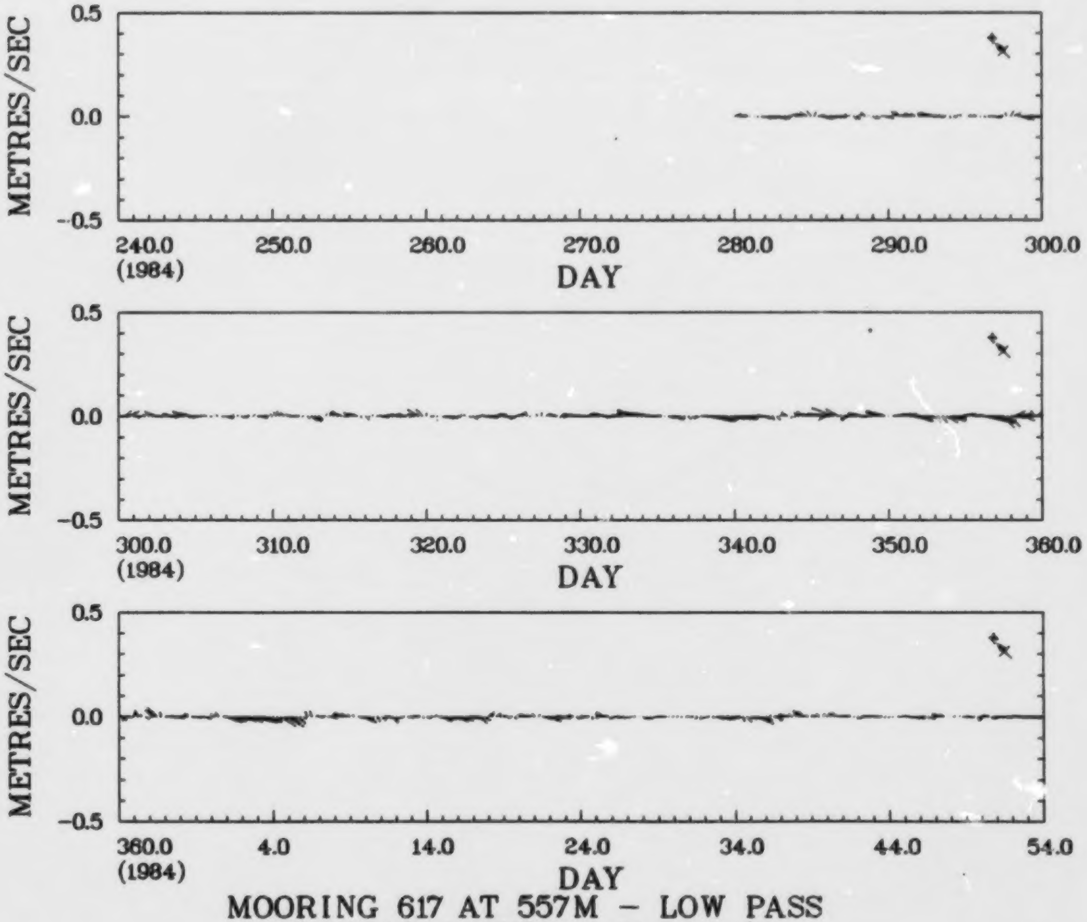

VELOCITY

NE COMPONENT

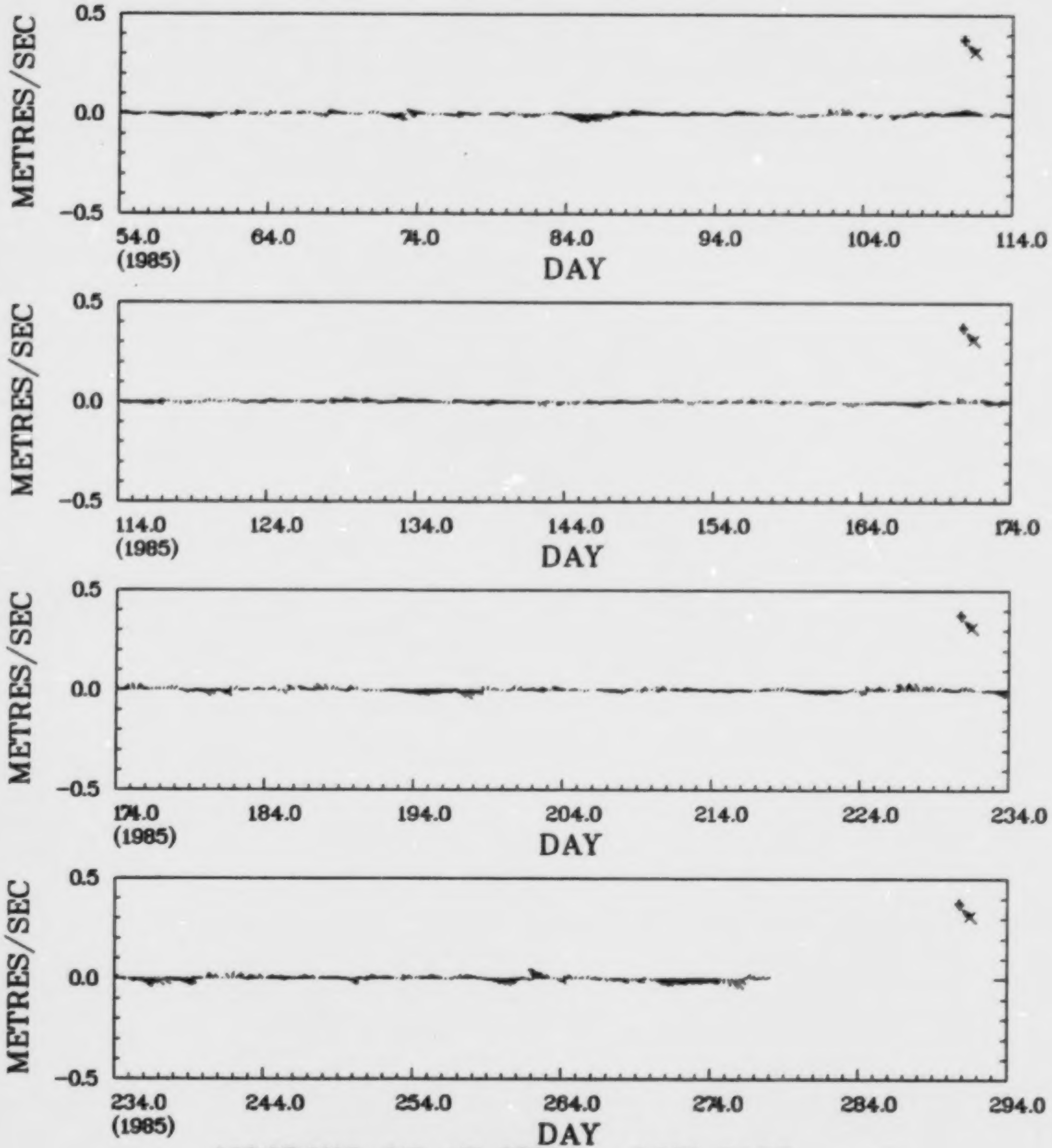
SE COMPONENT

TEMPERATURE

MOORING 617 AT 557M – LOW PASS
SOUTHWESTERN BAFFIN BAY 1984/5



MOORING 617 AT 557M – LOW PASS
SOUTHWEST BAFFIN BAY 1984/5



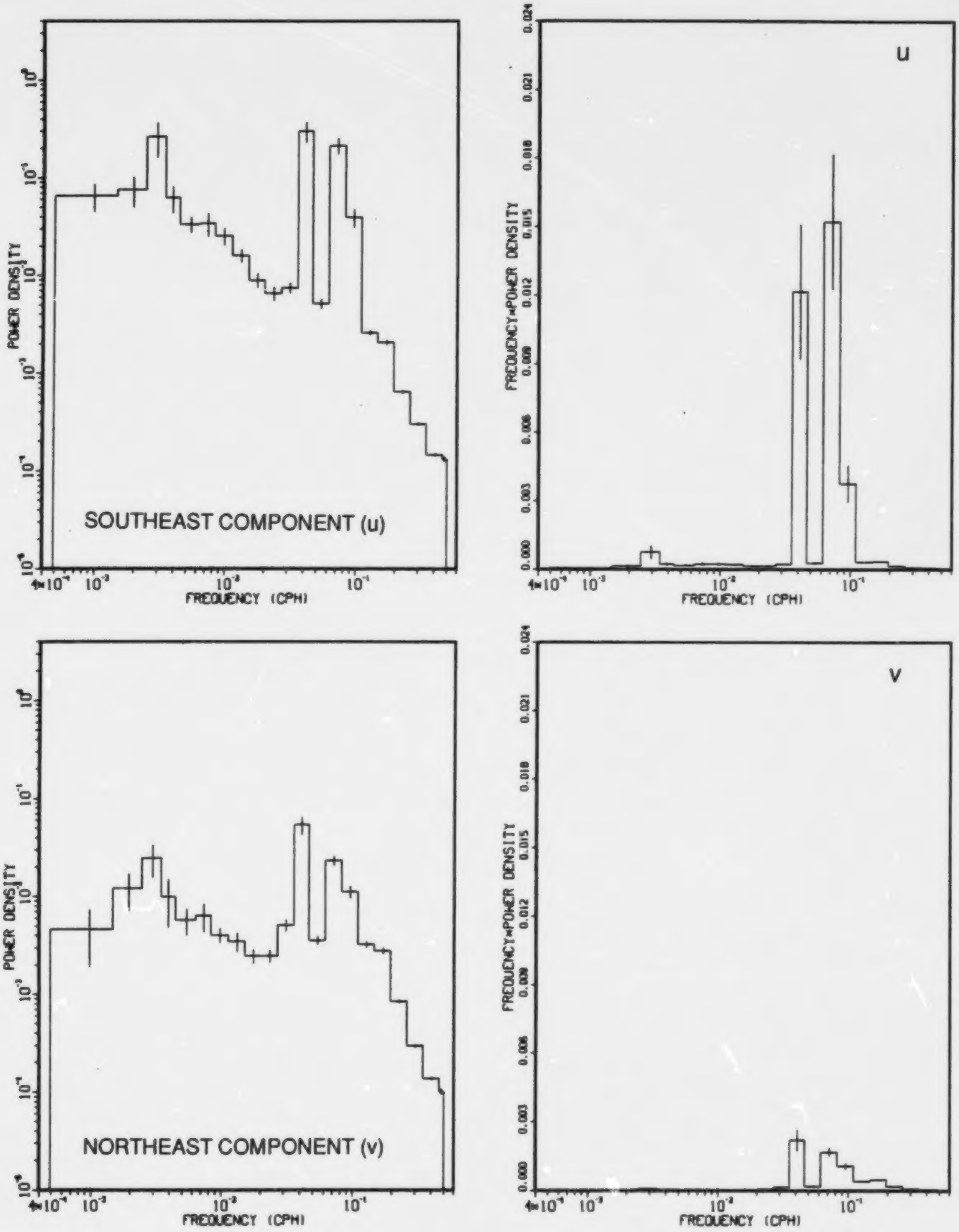
MOORING 617 AT 557M – LOW PASS
SOUTHWEST BAFFIN BAY 1984/5

Mooring 617
Depth 557 m

Tidal Analysis

370.0 d centred at day 095,1985

Const	Current Ellipse					Northeast Comp		Southeast Comp	
	Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Amp. (m/s)	Phase (deg)	Amp. (m/s)	Phase (deg)
K1	.070	.004	155	310	A	.025	122	.066	311
O1	.026	.001	162	267	C	.012	92	.023	266
M2	.091	.002	137	192	A	.004	341	.090	192
S2	.042	.002	151	222	A	.012	32	.041	222
N2	.026	.003	148	186	C	.007	32	.026	184
MF	.012	.000	150	84	C	.003	268	.011	84
M4	.004	.002	3	343	C	.003	2	.003	140
MS4	.003	.000	25	79	C	.002	80	.001	249



MOORING 617 AT 557M
SOUTHWEST BAFFIN BAY 1984/5

Mooring 618
Depth 325 m

Latitude	66° 54.5N	Deployment	2122Z 2 Oct., 1984
Longitude	60° 48.3W	Recovery	1143Z 8 Oct., 1985
Water Depth	550 m	Duration	370 d

RECORD LENGTH STATISTICS

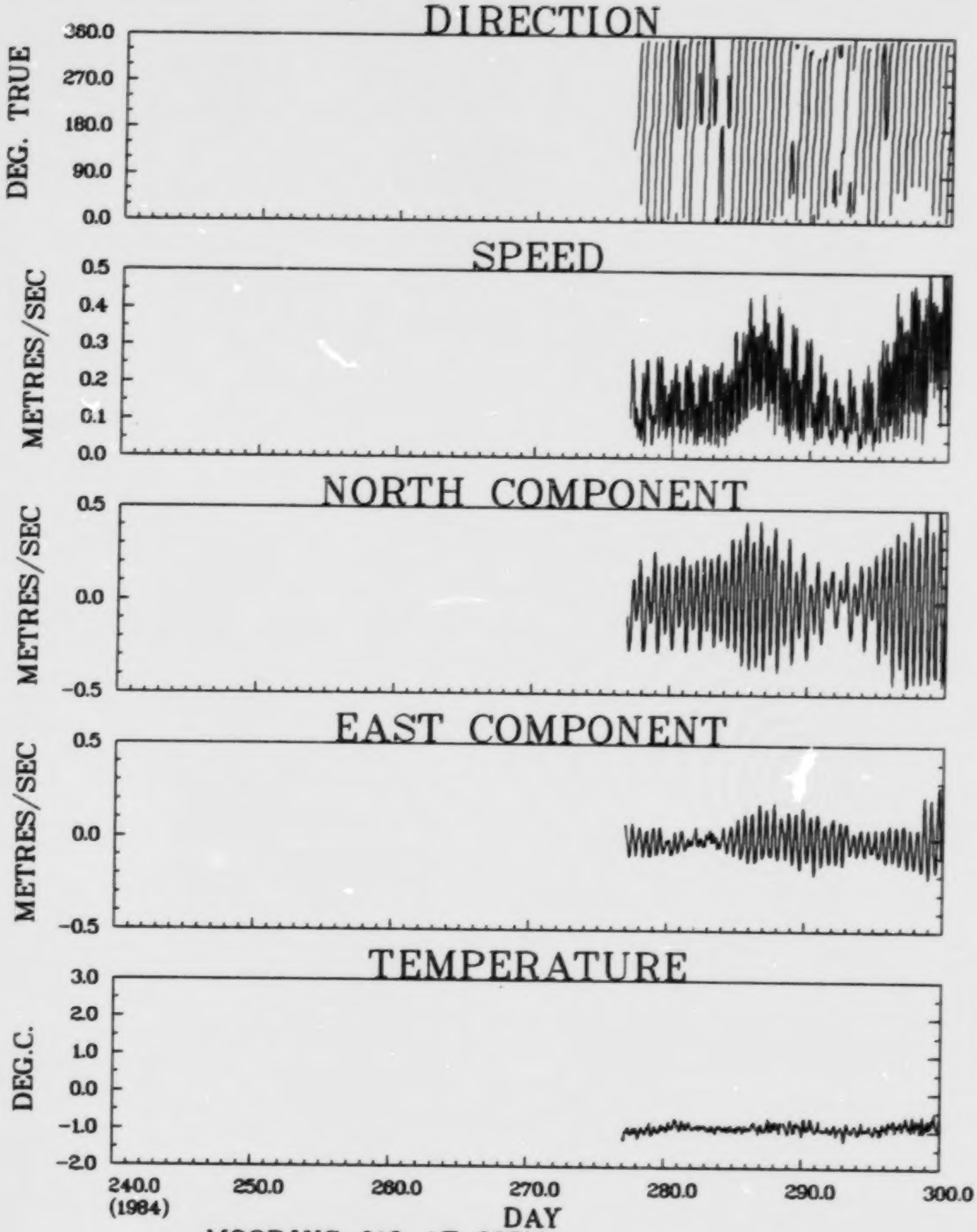
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	8893	316	332	328	1.1
Temperature (T)	°C	8893	-1.46	2.64	-0.34	0.46
Speed (R)	ms^{-1}	3883	0.015	0.634	0.188	0.109
Northeast Component (V)	ms^{-1}	3883	-.363	0.389	-.004	0.134
Southeast Component (U)	ms^{-1}	3883	-.532	0.518	-.000	0.171

MONTHLY MEANS

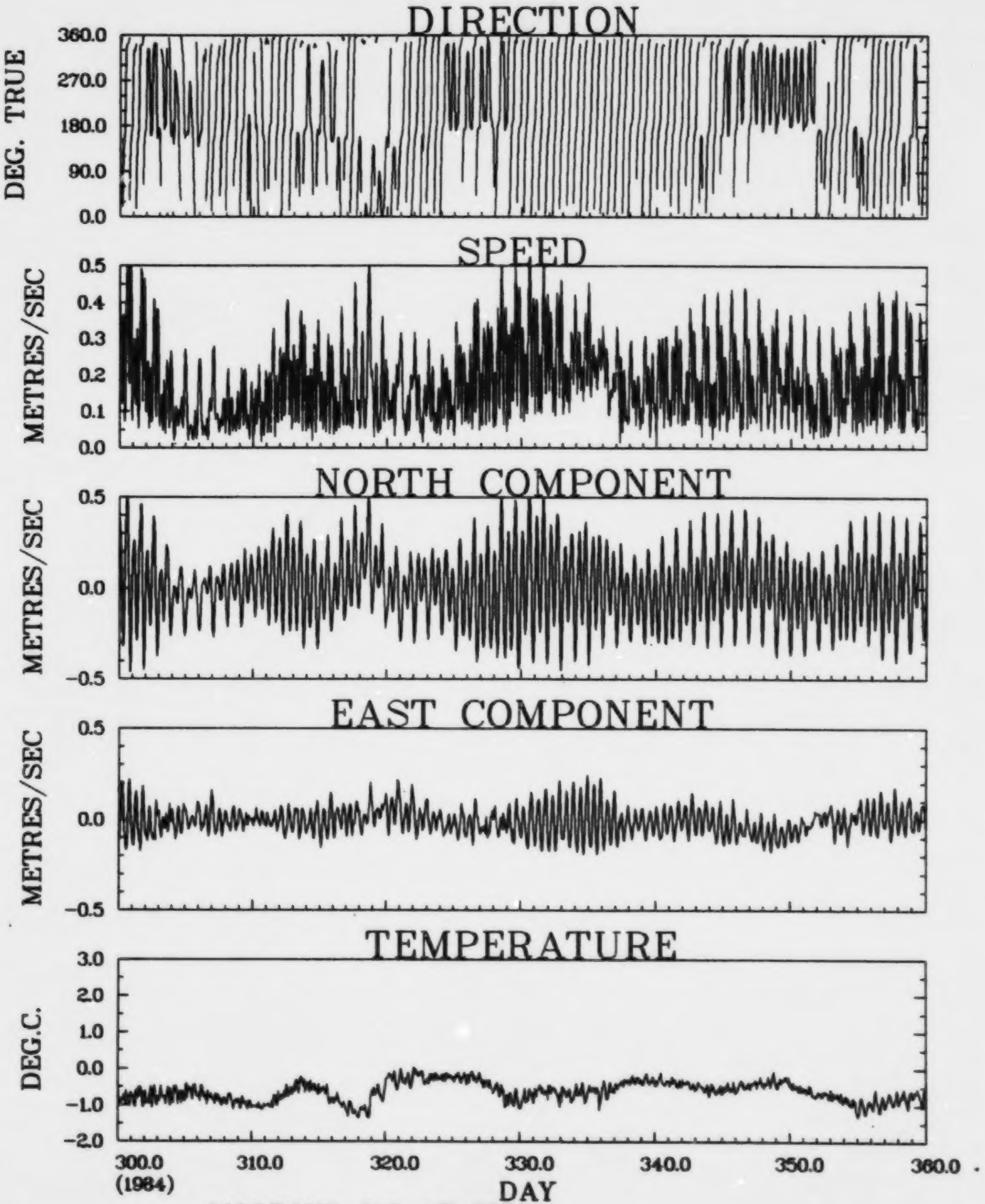
	Samples	T	R	V	U
October	698	-0.89±0.14	0.191±.114	-.002±.127	-.015±.182
November	720	-0.63±0.30	0.186±.112	0.012±.130	-.012±.173
December	744	-0.61±0.23	0.182±.101	-.005±.127	0.001±.165
January	744	-0.61±0.15	0.182±.100	-.013±.139	0.011±.153
February	672	-0.52±0.15	0.185±.106	-.012±.129	0.016±.169
March	305[a]	-0.39±0.17	0.217±.135	0.004±.168	-.004±.193
April	720	-0.46±0.31			
May	744	-0.21±0.45			
June	720	0.51±0.43			
July	744	-0.02±0.43			
August	744	-0.16±0.36			
September	720	-0.20±0.26			
October	179	-0.12±0.19			

NOTES:

[a]: T has 744 samples



MOORING 618 AT 325M
SOUTHWEST BAFFIN BAY 1984/5



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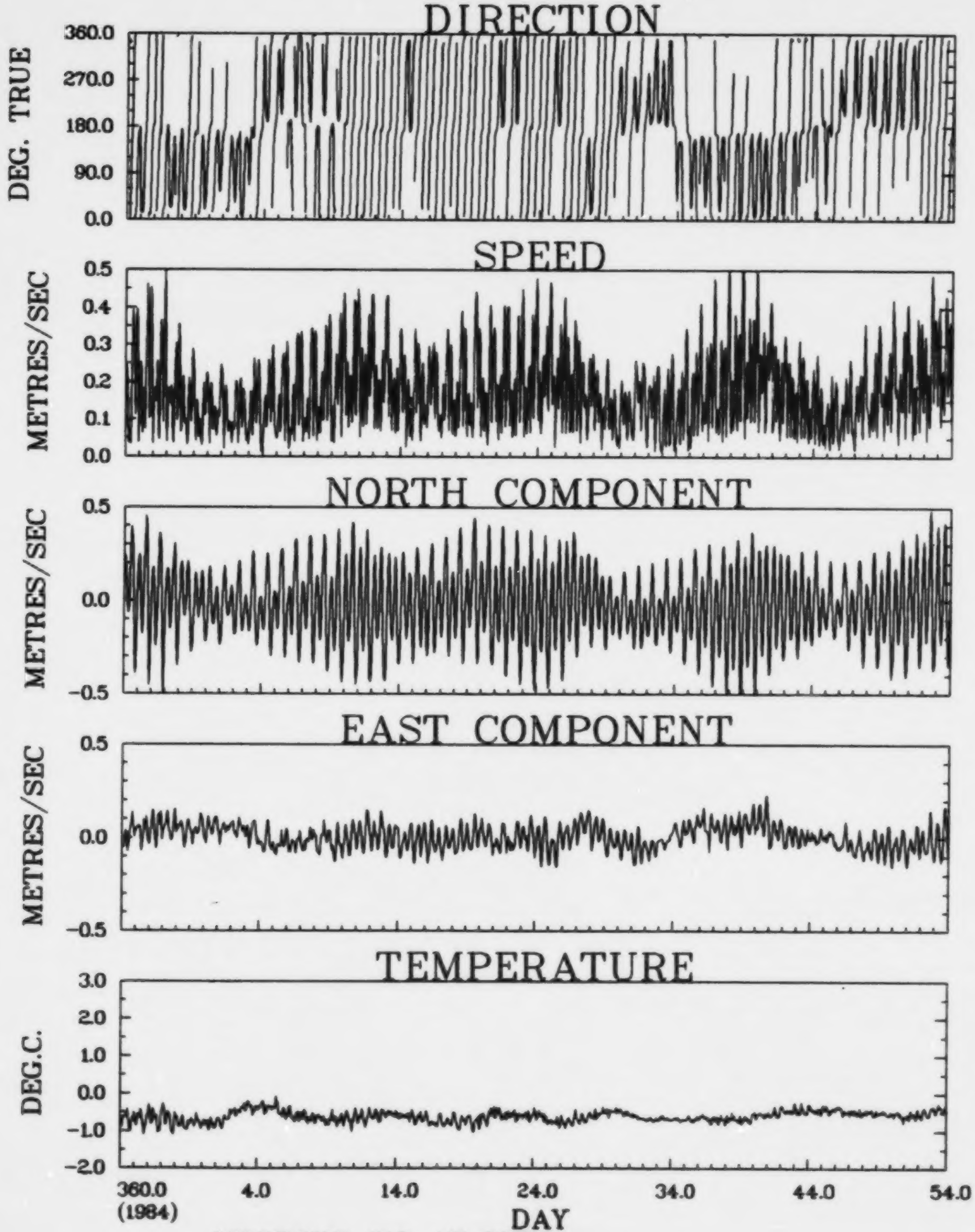

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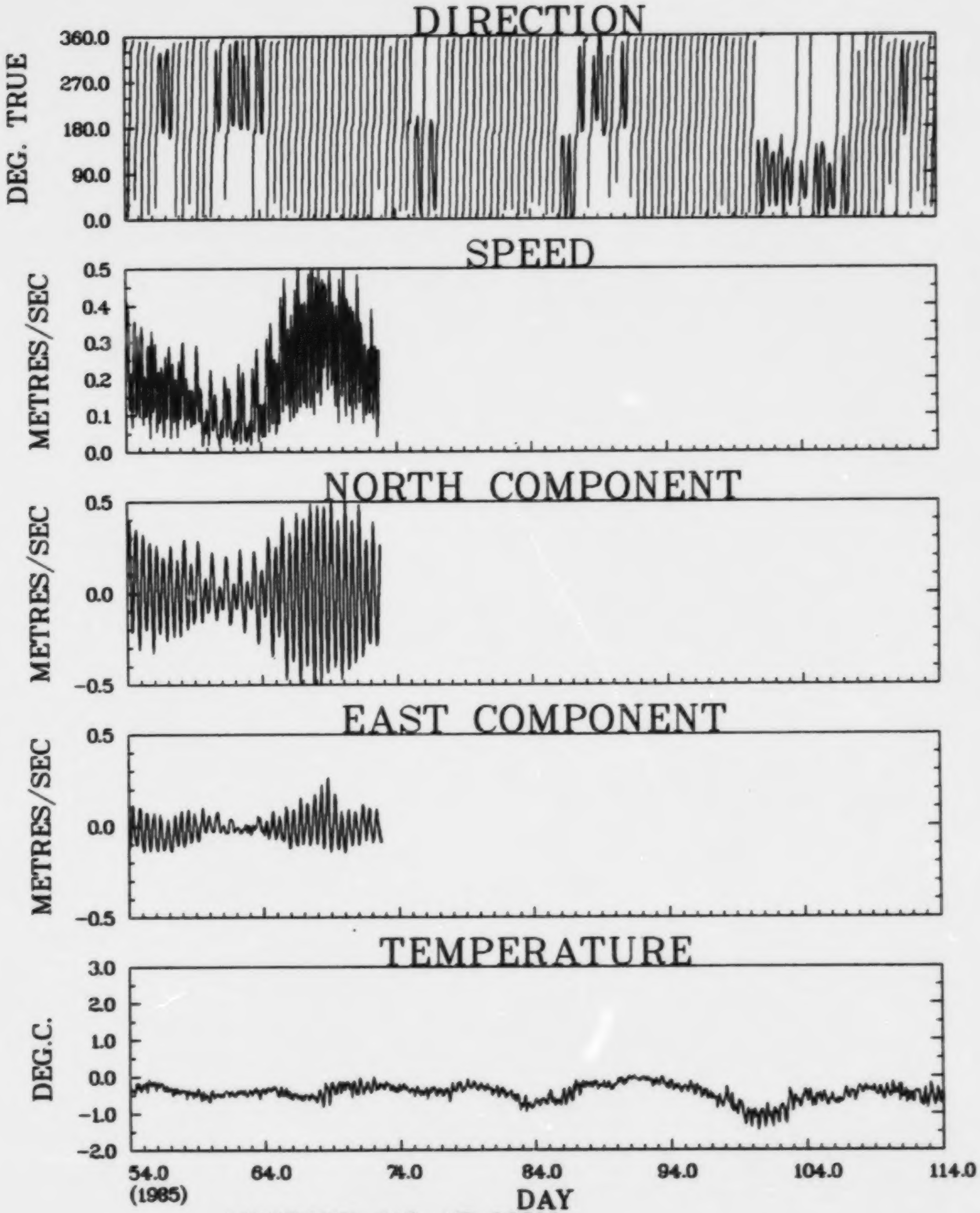

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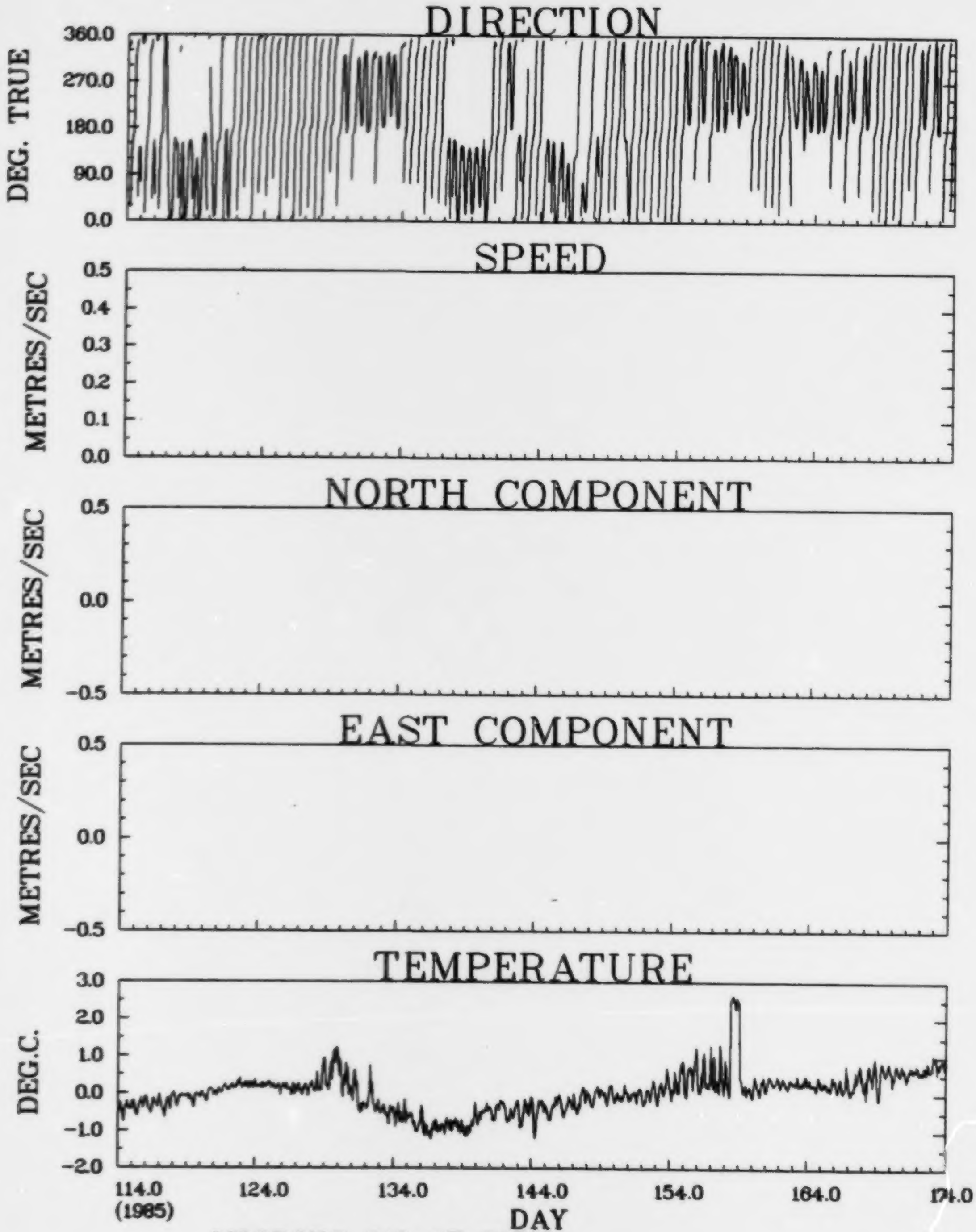

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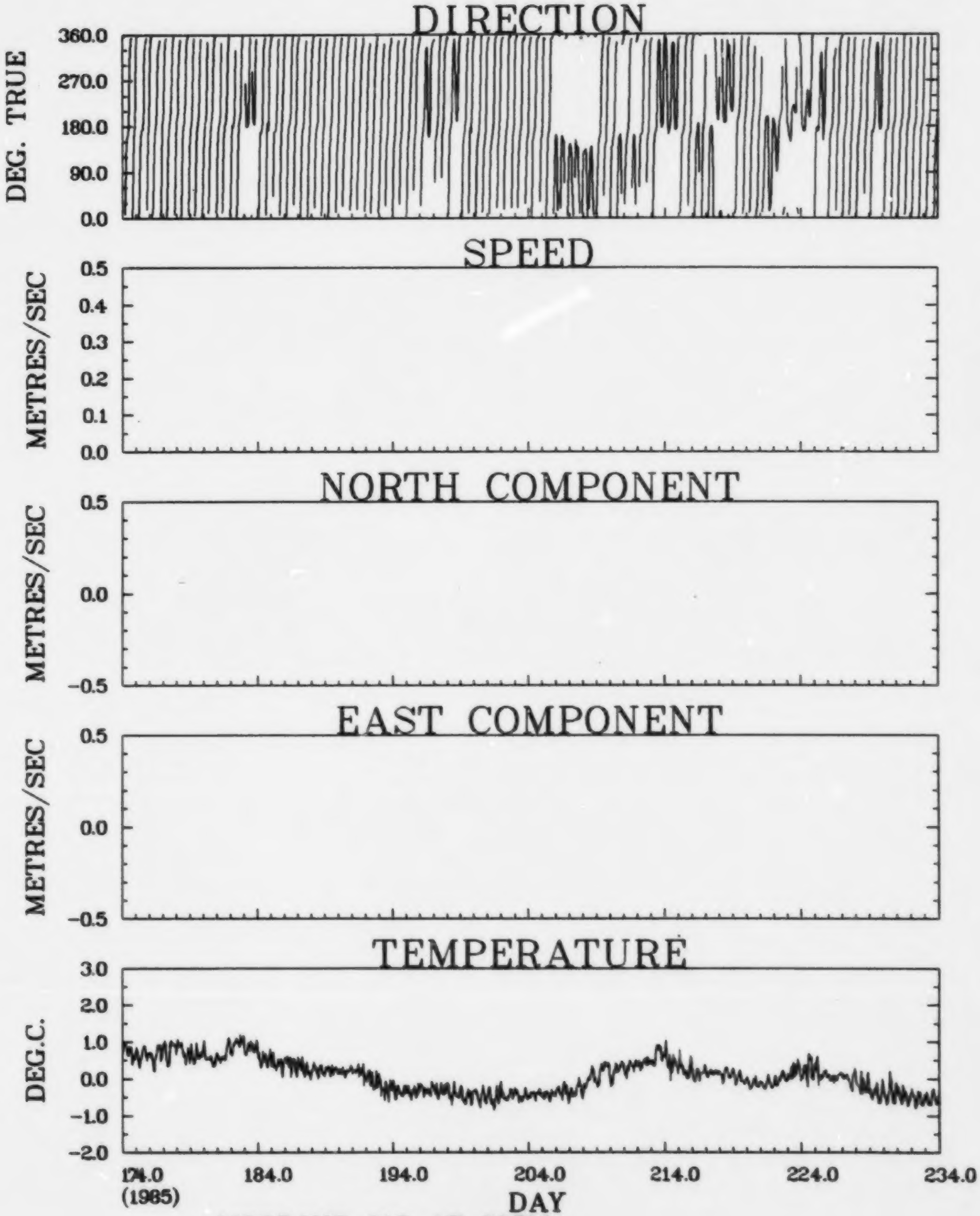
SOUTHWEST BAFFIN BAY 1984/5



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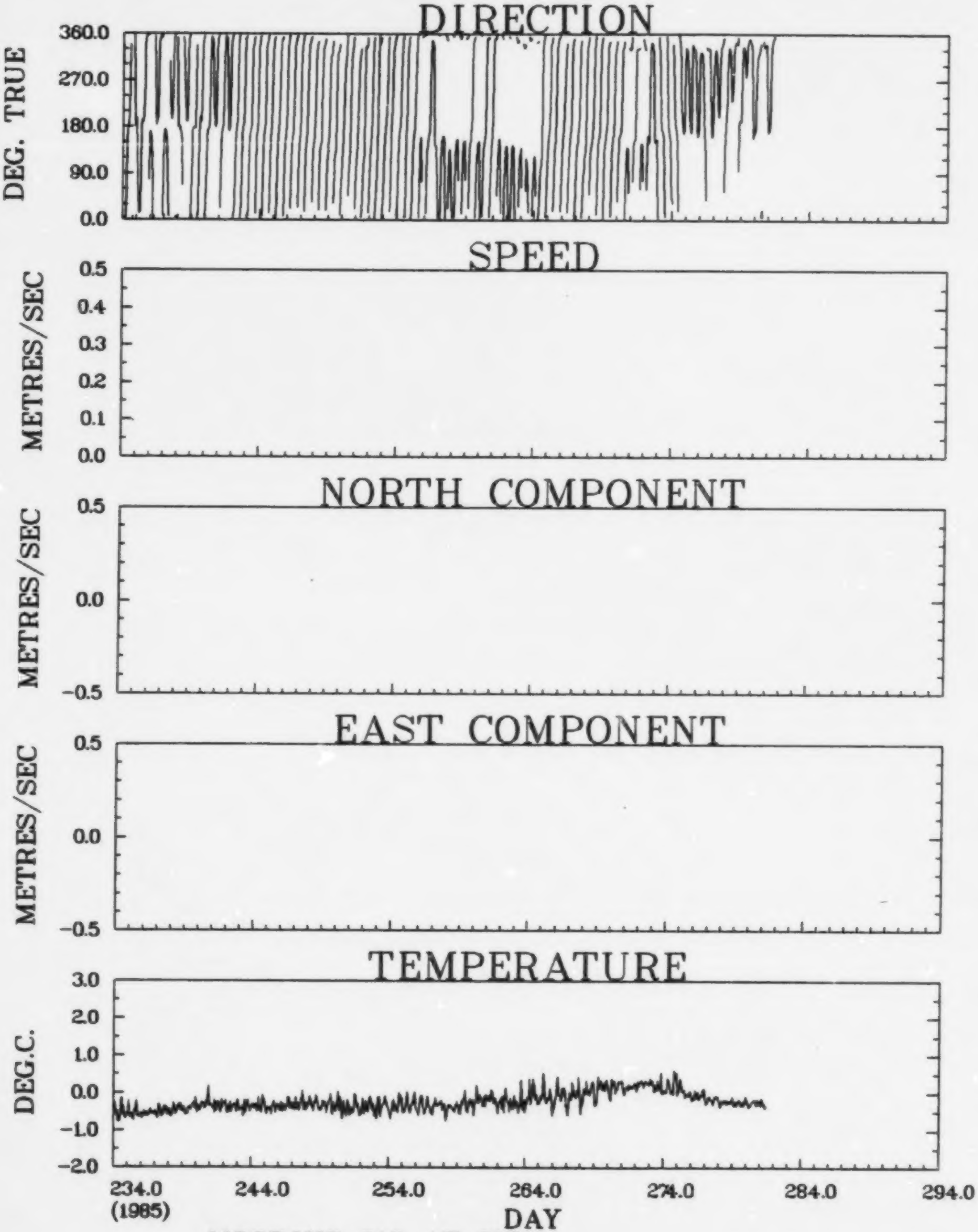
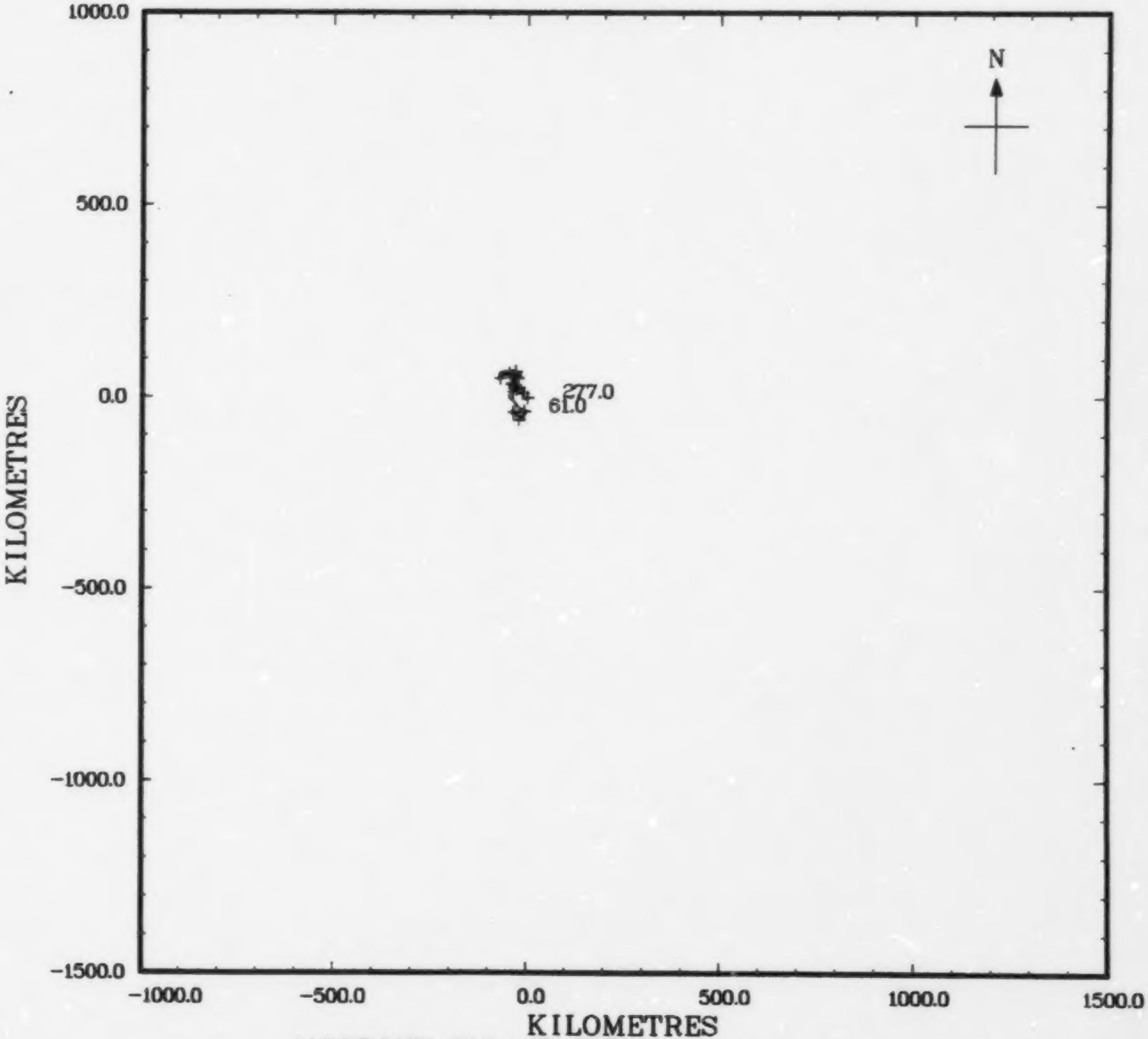
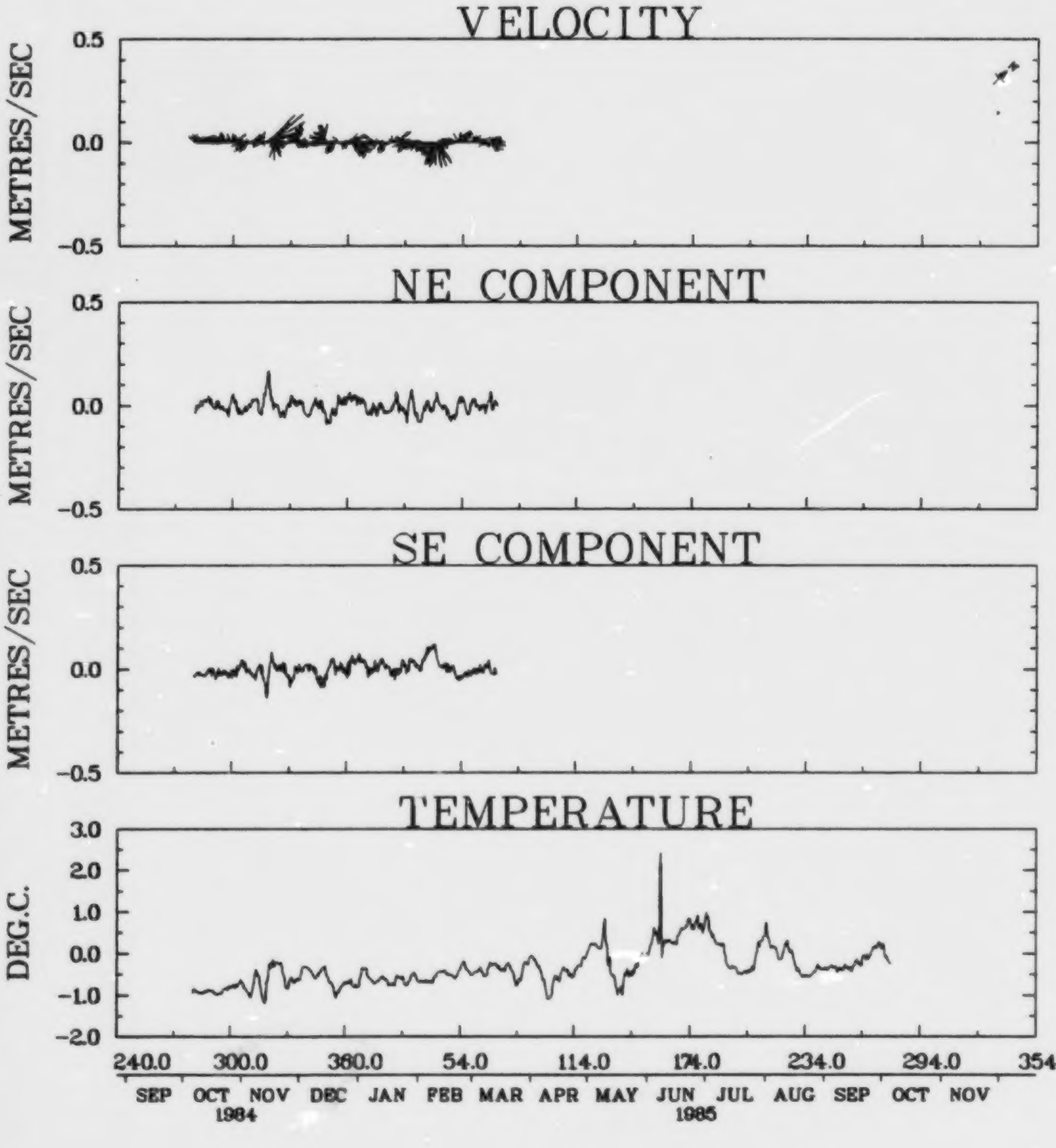
SOUTHWEST BAFFIN BAY 1984/5



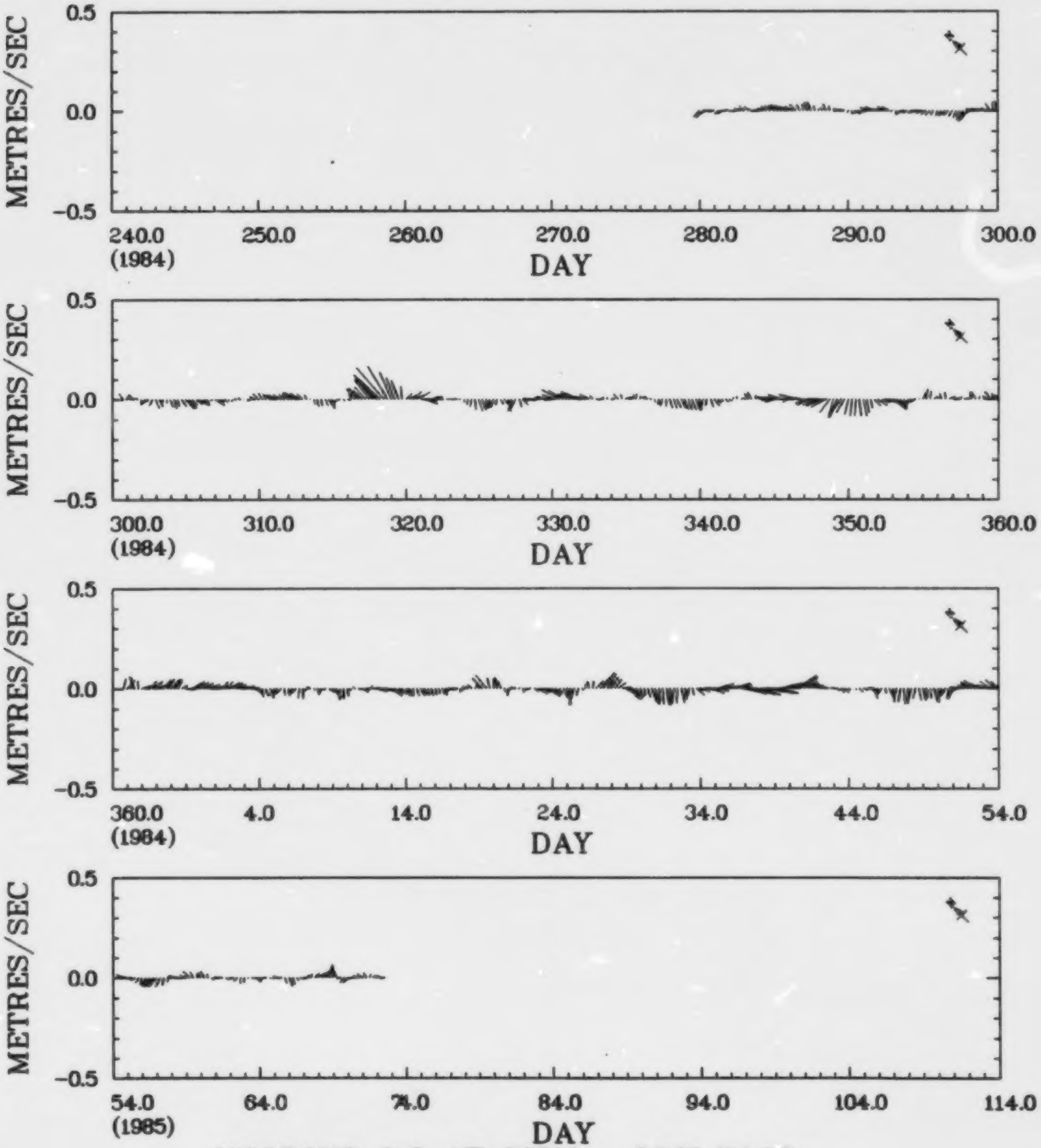
MOORING 618 AT 325M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 618 AT 325M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 618 AT 325M - LOW PASS
SOUTHWESTERN BAFFIN BAY 1984/5



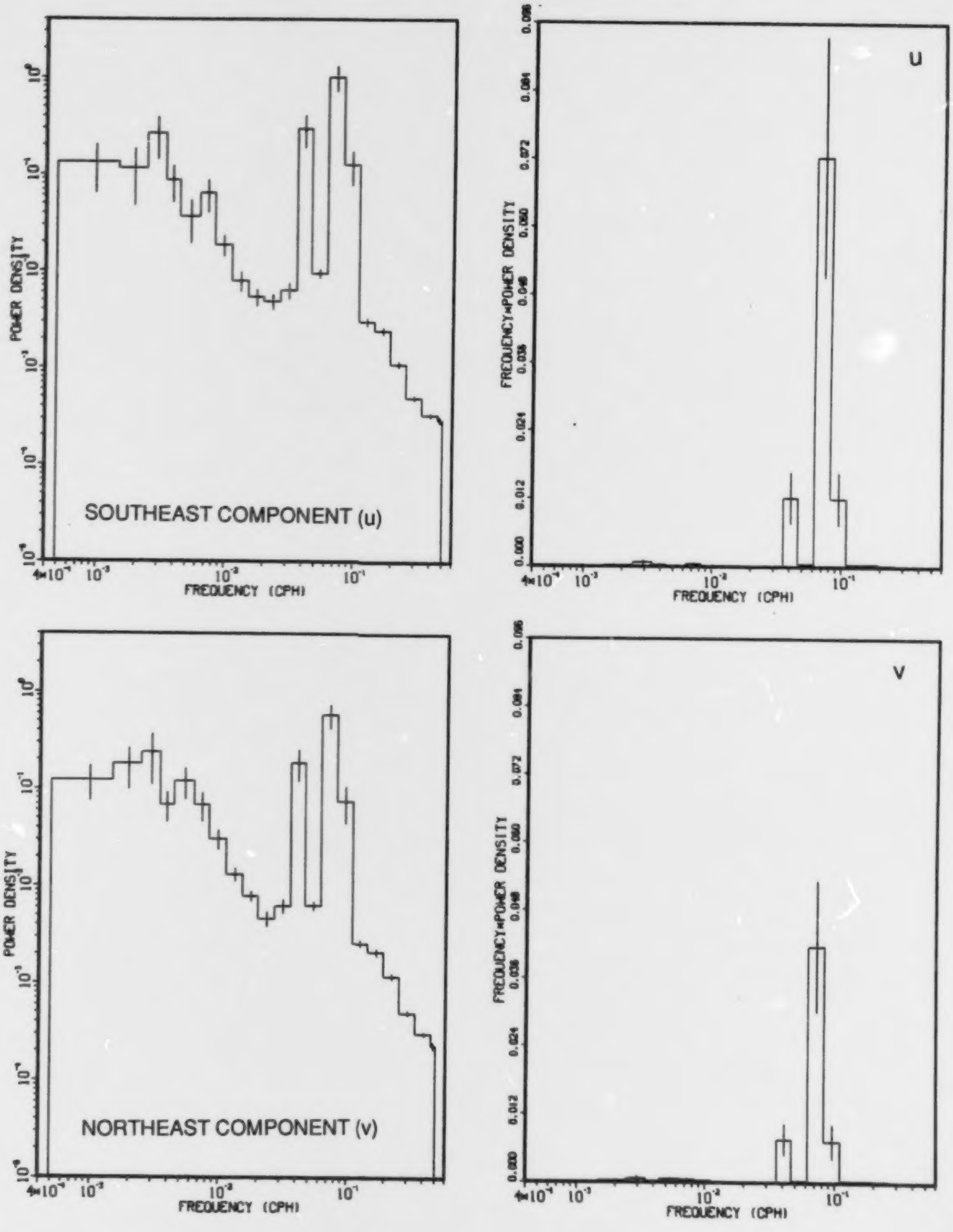
MOORING 618 AT 325M – LOW PASS
SOUTHWEST BAFFIN BAY 1984/5

Mooring 618
Depth 325 m

Tidal Analysis

161.8 d centred at day 357,1984

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.080	.013	173	333	C	.051	165	.064	326
O1	.030	.004	176	301	C	.020	131	.023	294
M2	.250	.049	171	177	C	.152	12	.204	169
S2	.081	.005	169	218	C	.045	44	.067	215
N2	.043	.003	178	146	C	.030	330	.032	142
MF	.010	.001	145	349	A	.002	152	.010	350
M4	.003	.002	78	253	C	.003	227	.002	303
MS4	.002	.001	101	332	C	.001	305	.002	345



MOORING 618 AT 325M
SOUTHWEST BAFFIN BAY 1984/5

Mooring 618
Depth 525 m

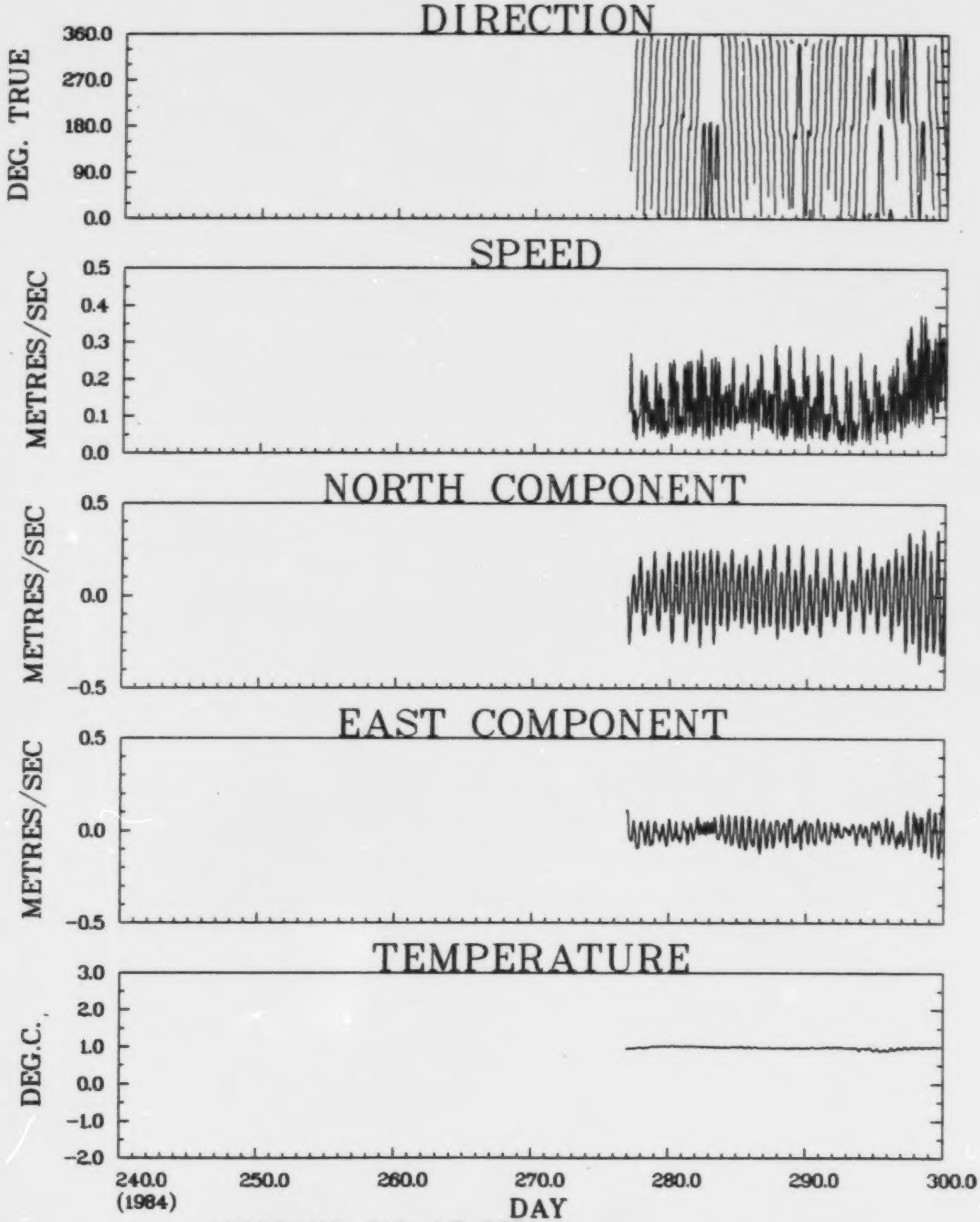
Latitude	66° 54.5N	Deployment	2122Z 2 Oct., 1984
Longitude	60° 48.3W	Recovery	1143Z 8 Oct., 1985
Water Depth	550 m	Duration	370 d

RECORD LENGTH STATISTICS

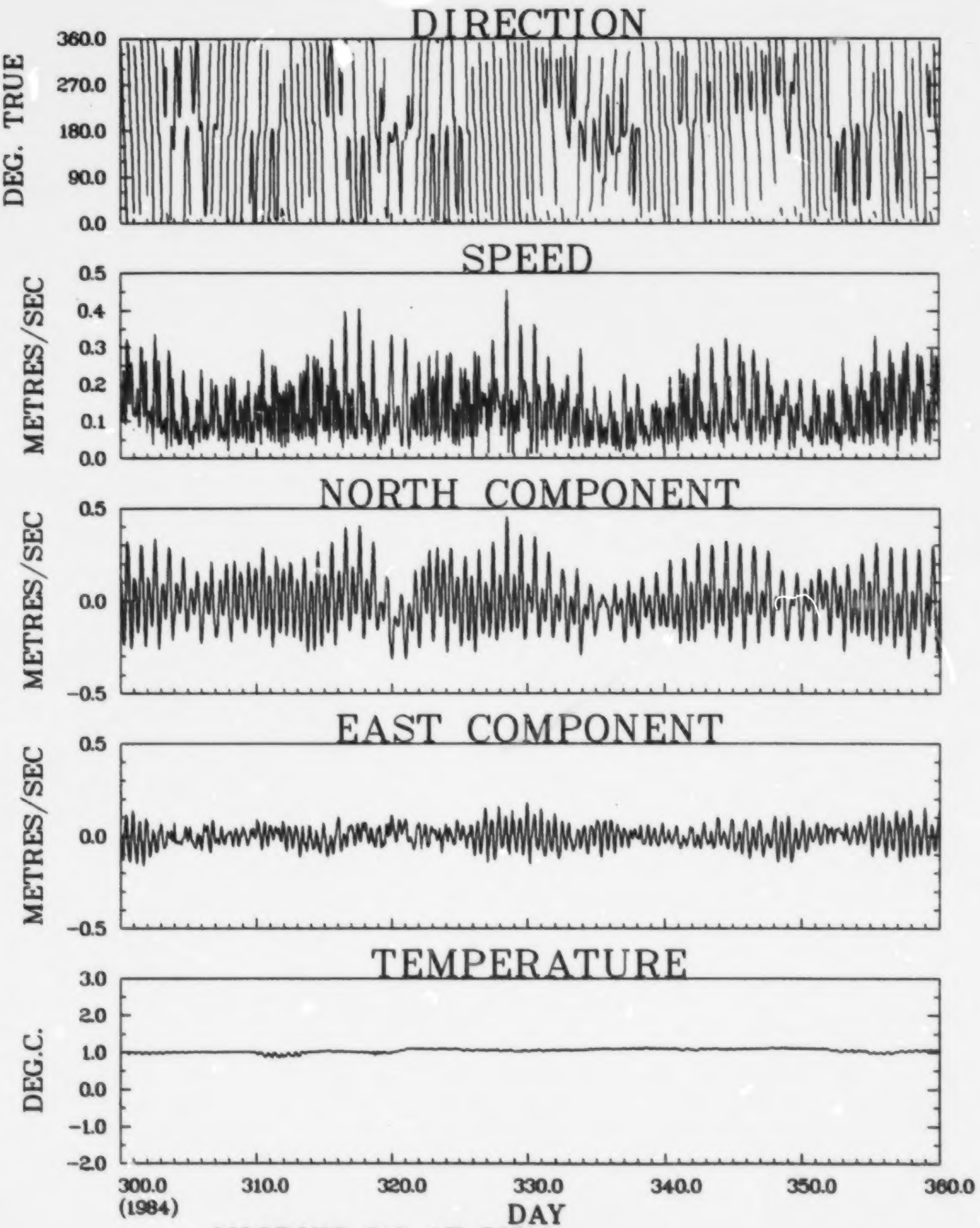
Sensor	Units	Samples	Minimum	Maximum	Mean	Std. Dev.
Pressure (P)	dbar	8894	533	533	533	0.0
Temperature (T)	°C	8894	0.79	1.21	1.02	0.08
Speed (R)	ms^{-1}	8894	0.015	0.455	0.135	0.075
Northeast Component (V)	ms^{-1}	8894	-.319	0.343	-.000	0.111
Southeast Component (U)	ms^{-1}	8894	-.328	0.326	-.004	0.107

MONTHLY MEANS

	Samples	T	R	V	U
October	699	0.98±0.02	0.142±.074	0.000±.110	-.013±.115
November	720	1.04±0.05	0.137±.076	0.000±.115	0.001±.108
December	744	1.07±0.04	0.126±.071	-.005±.105	0.005±.100
January	744	0.99±0.04	0.126±.073	-.001±.108	0.002±.097
February	672	0.94±0.02	0.134±.072	0.001±.118	-.006±.096
March	744	0.94±0.02	0.125±.065	-.006±.106	-.004±.092
April	720	0.93±0.02	0.140±.078	0.005±.121	-.008±.105
May	744	0.96±0.05	0.141±.077	-.001±.113	0.002±.114
June	720	1.02±0.02	0.147±.082	-.010±.119	-.004±.119
July	744	1.07±0.06	0.128±.069	0.003±.102	-.001±.103
August	744	1.18±0.02	0.130±.071	0.004±.103	-.004±.106
September	720	1.14±0.03	0.152±.082	0.005±.114	-.008±.130
October	179	1.11±0.02	0.116±.075	0.015±.101	-.024±.091



MOORING 618 AT 525M
SOUTHWEST BAFFIN BAY 1984/5



MOORING 618 AT 525M
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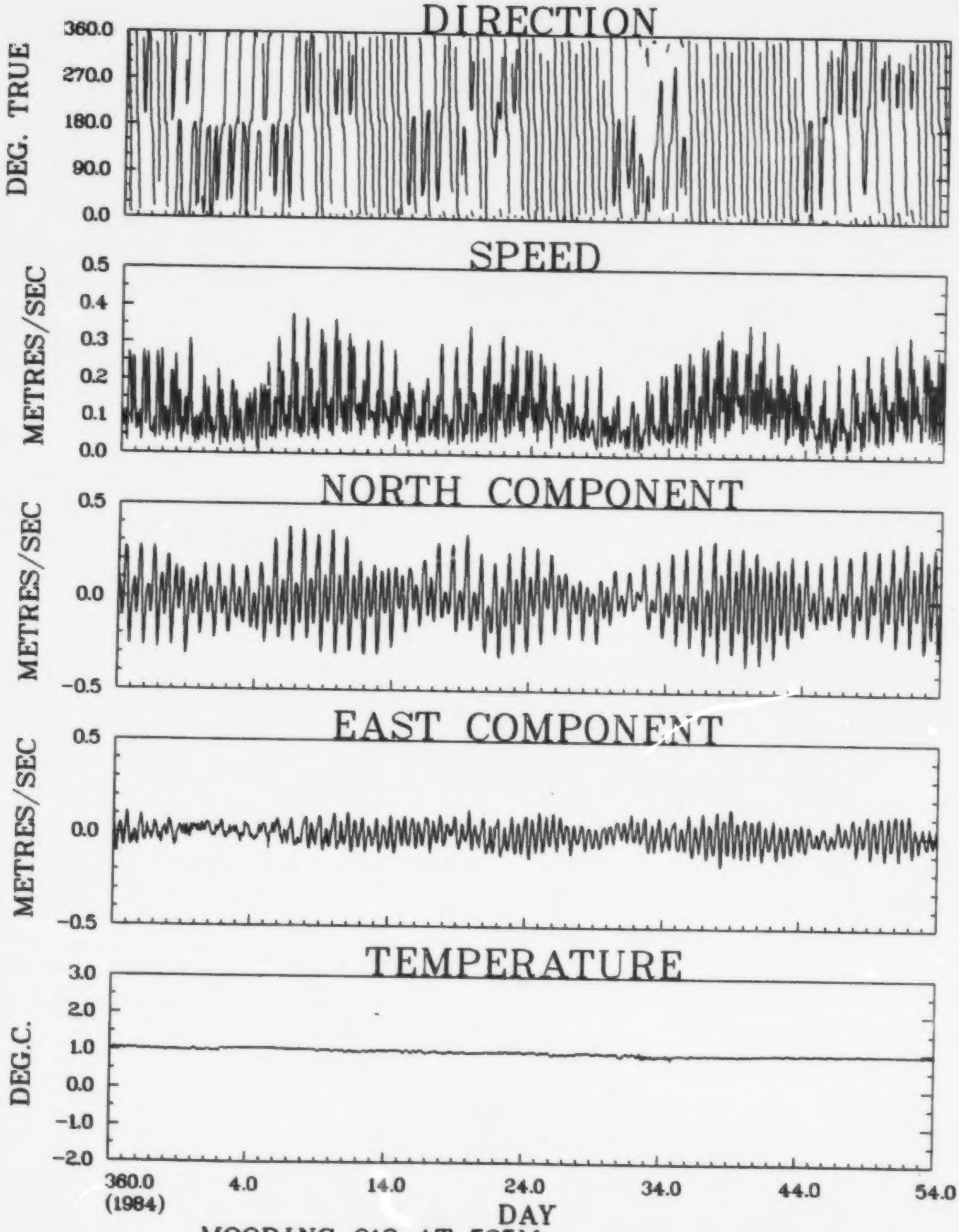

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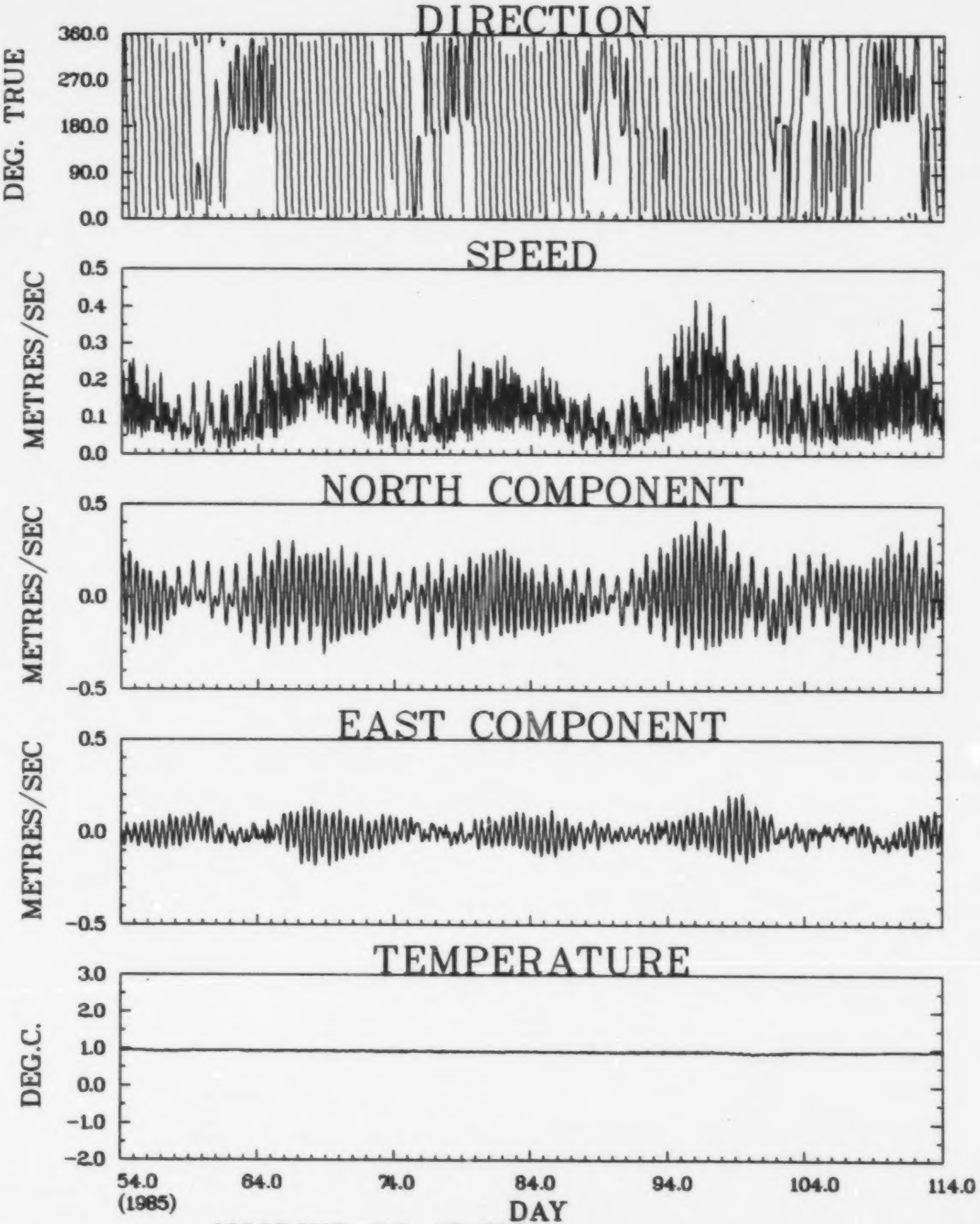
SOUTHWEST BAFFIN BAY 1984/5



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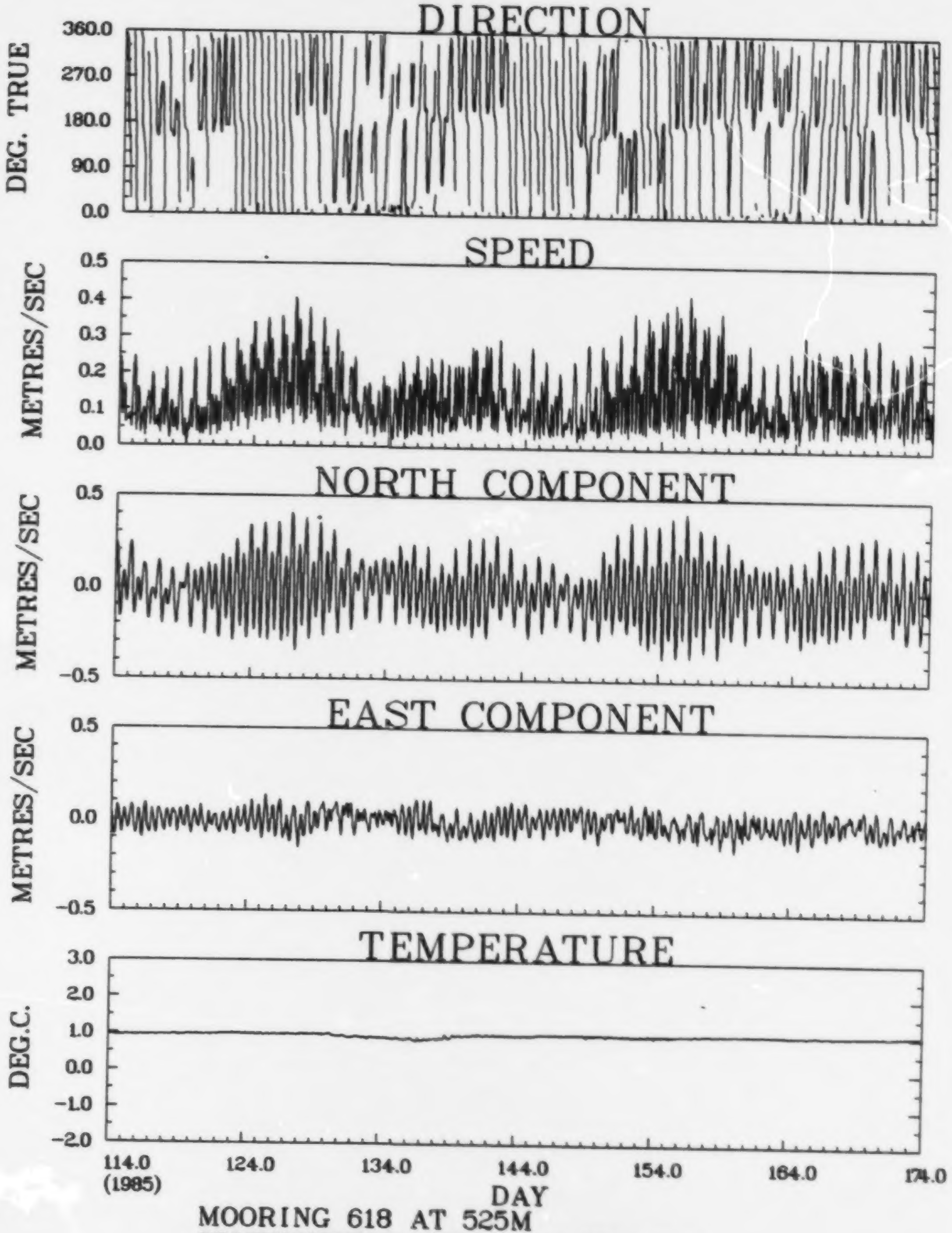

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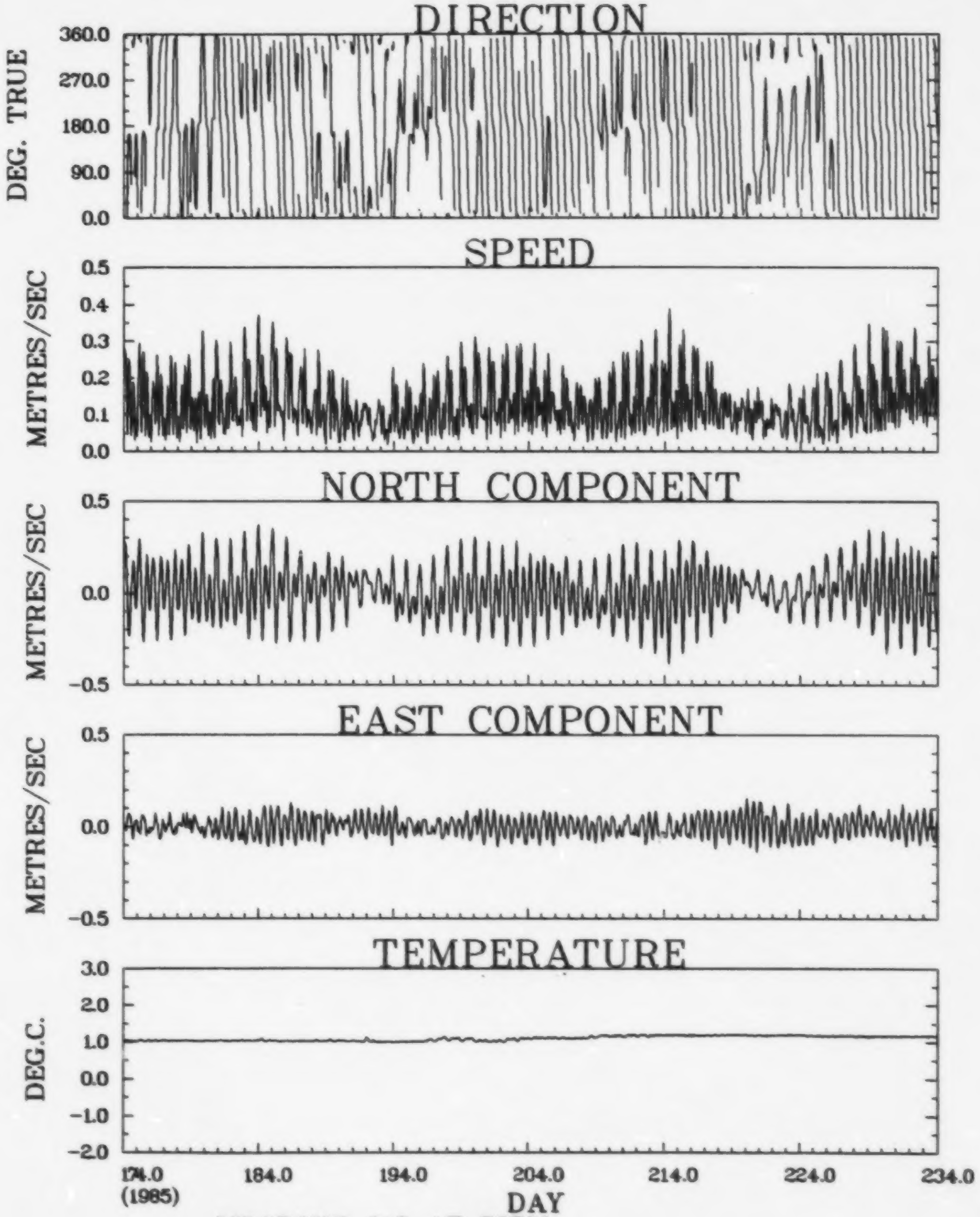

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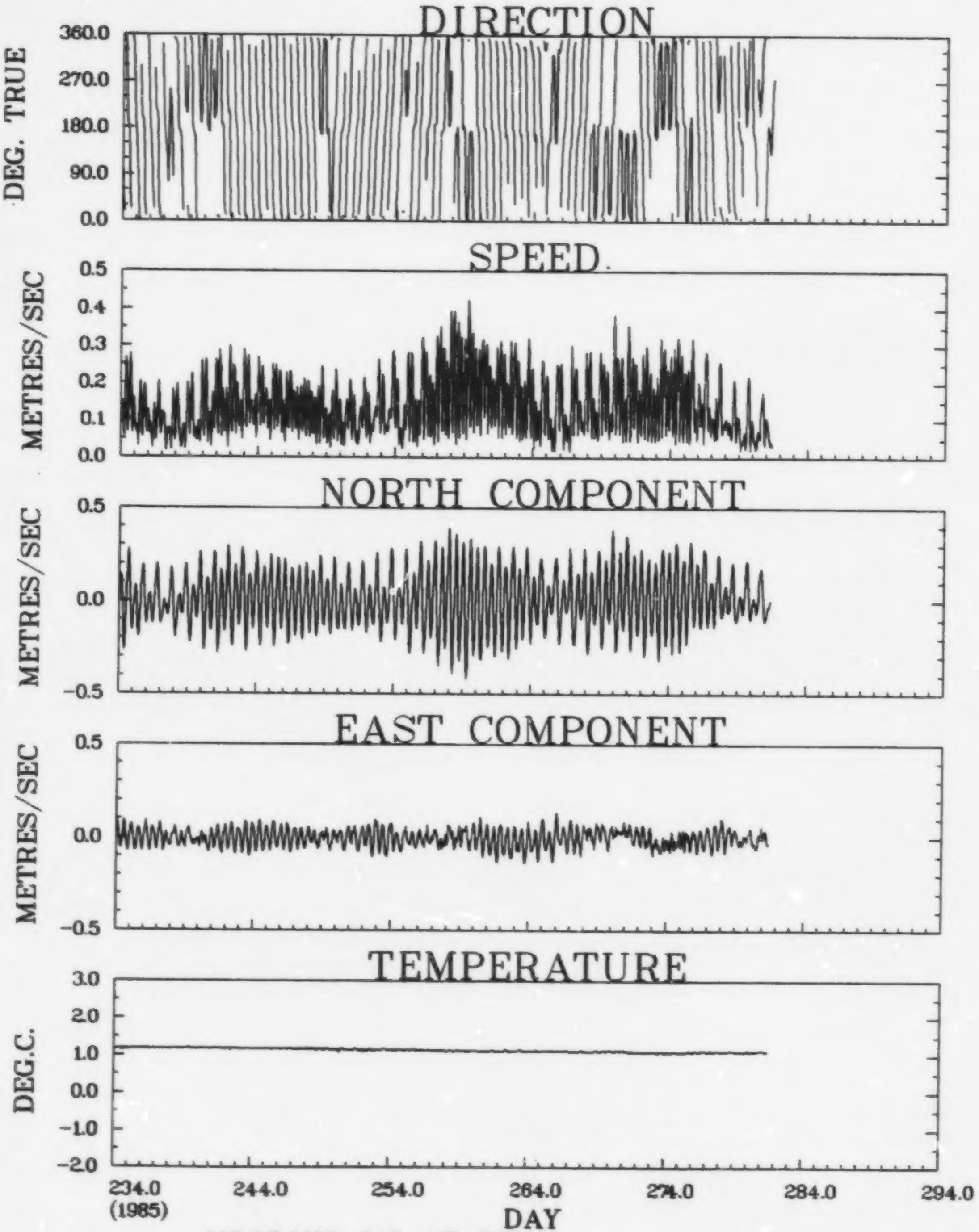
SOUTHWEST BAFFIN BAY 1984/5



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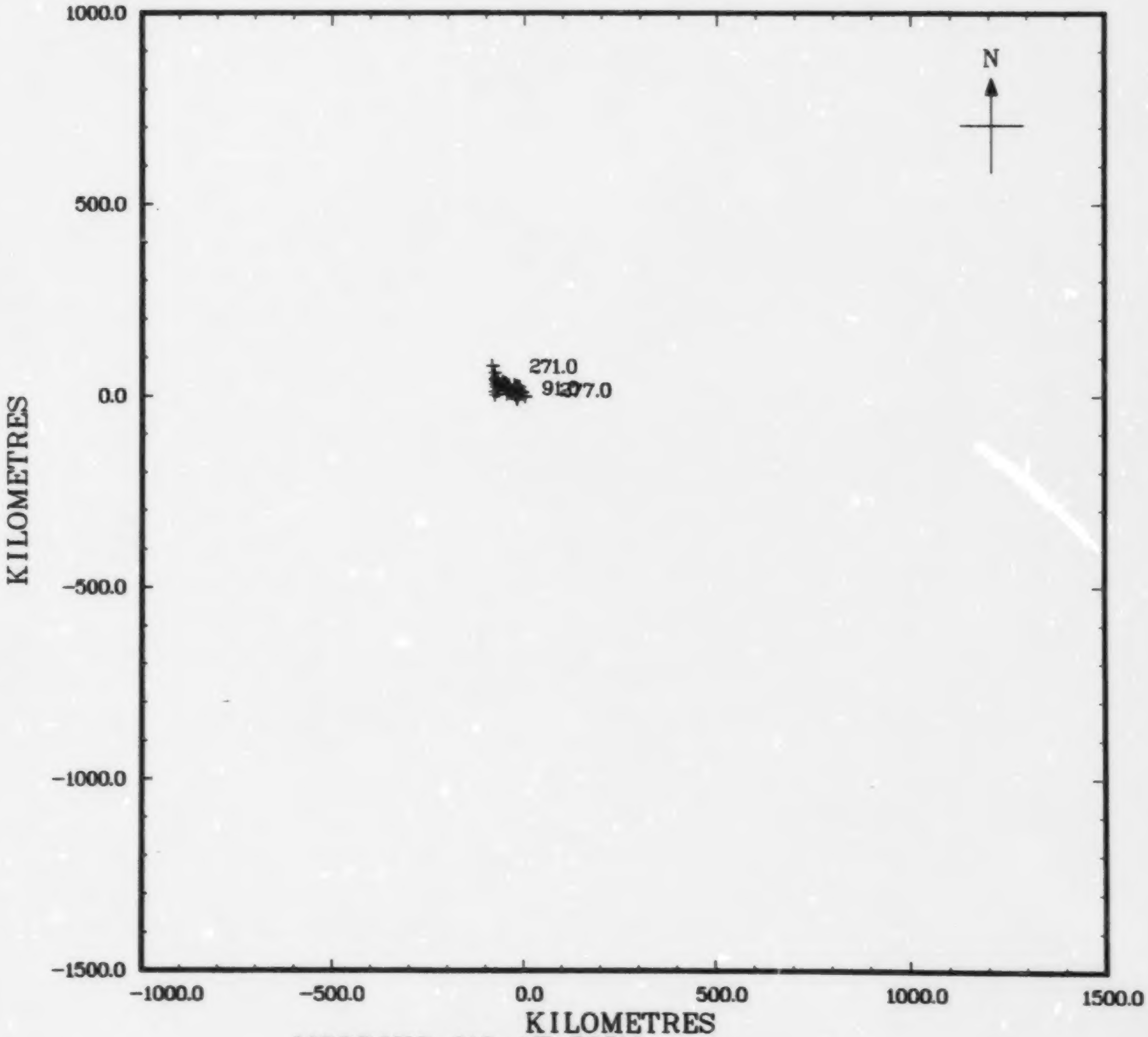
SOUTHWEST BAFFIN BAY 1984/5



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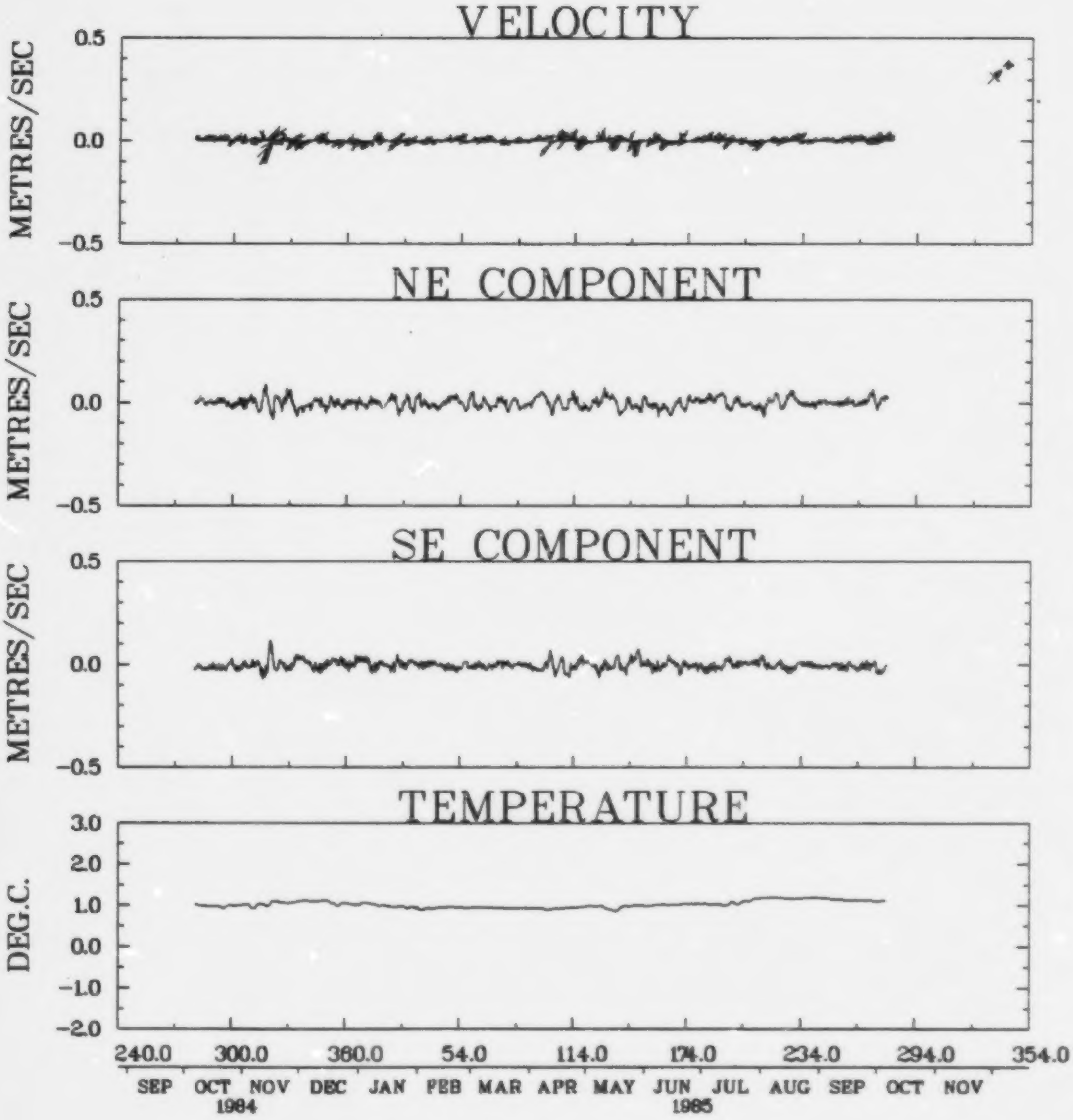
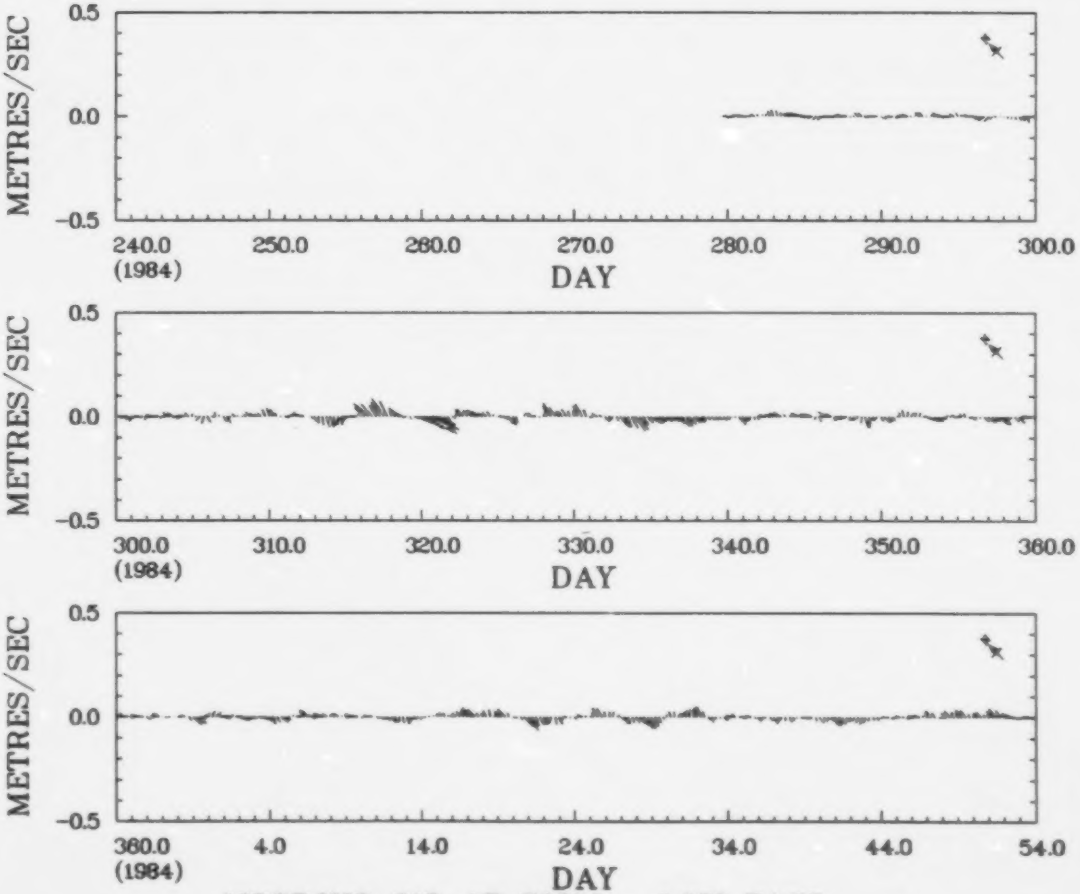
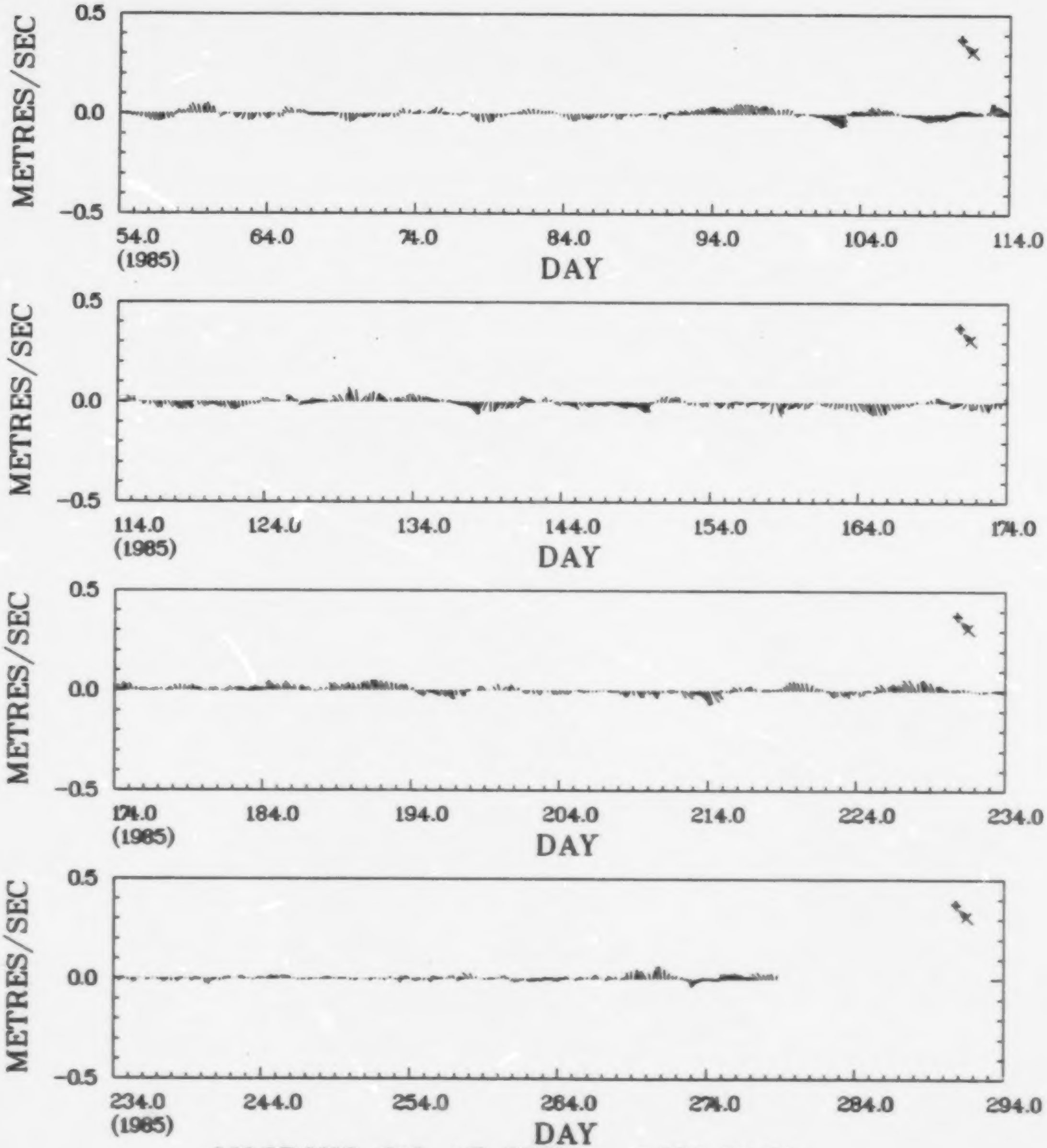
SOUTHWEST BAFFIN BAY 1984/5



MOORING 618 AT 525M – LOW PASS
SOUTHWESTERN BAFFIN BAY 1984/5



MOORING 618 AT 525M – LOW PASS
SOUTHWEST BAFFIN BAY 1984/5



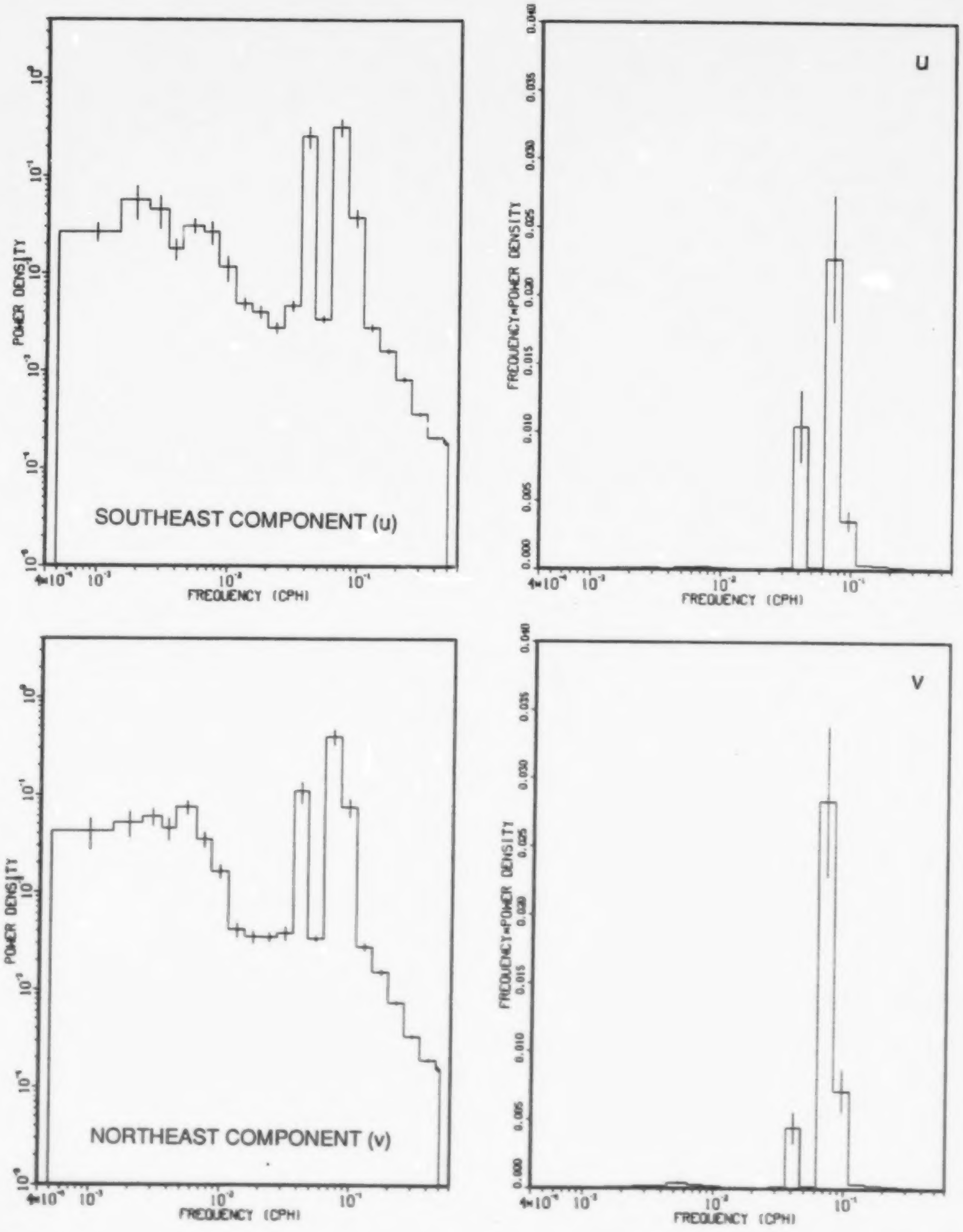
MOORING 618 AT 525M - LOW PASS
SOUTHWEST BAFFIN BAY 1984/5

Mooring 618
Depth 525 m

Tidal Analysis

370.6 d centred at day 096,1985

Const	Current Ellipse Major (m/s)	Minor (m/s)	Orien. (°T)	Phase (deg)	Sense	Northeast Comp Amp. (m/s)	Phase (deg)	Southeast Comp Amp. (m/s)	Phase (deg)
K1	.072	.009	168	335	C	.039	166	.061	330
O1	.027	.003	167	303	C	.015	134	.023	299
M2	.167	.041	2	347	A	.126	334	.117	182
S2	.058	.015	19	10	A	.052	3	.029	219
N2	.031	.015	9	316	A	.026	297	.022	169
MF	.002	.000	136	334	C	.000	237	.002	334
M4	.002	.001	57	202	C	.002	199	.001	256
MS4	.001	.000	21	261	A	.001	259	.001	92



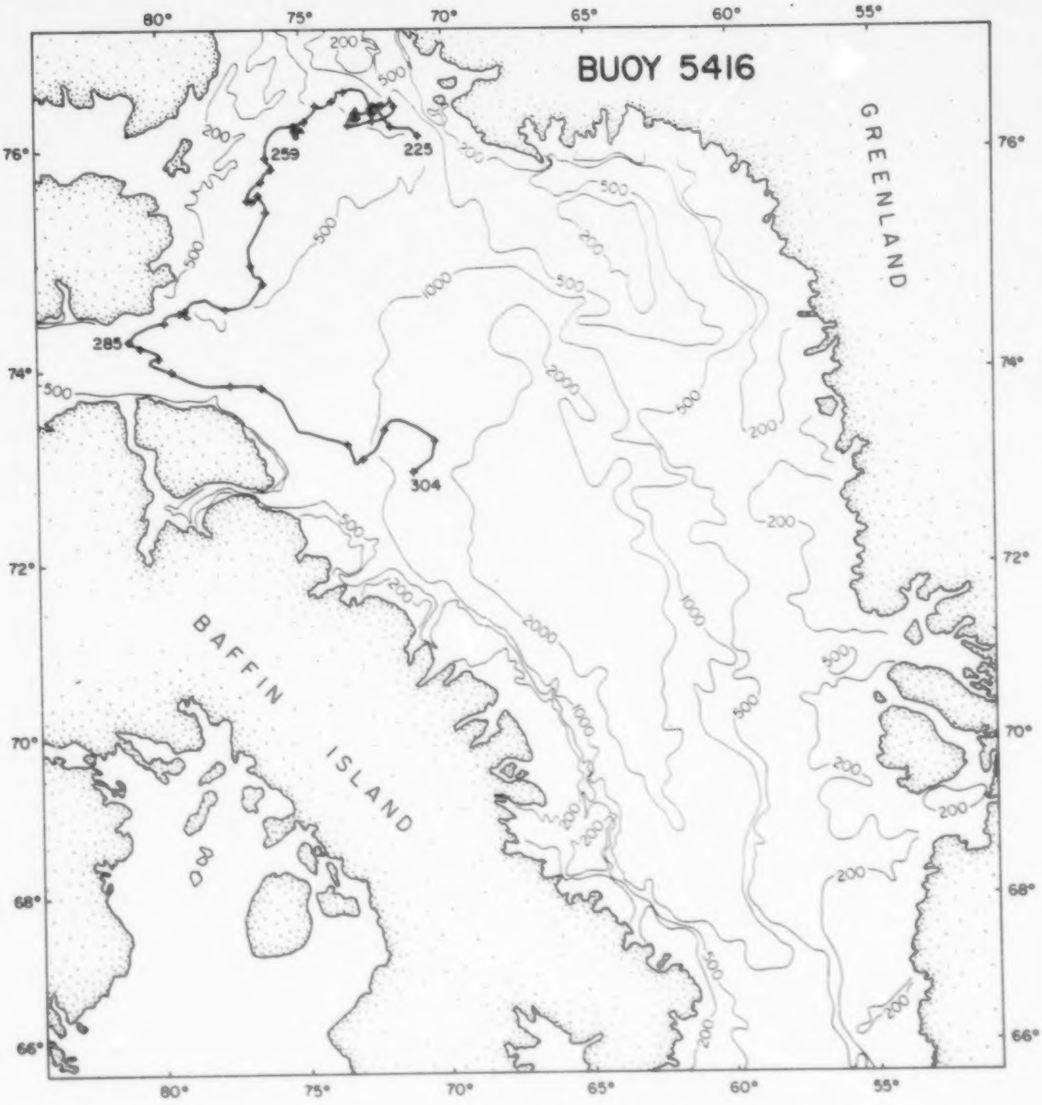
MOORING 618 AT 525M
SOUTHWEST BAFFIN BAY 1984/5

ARGOS DRIFTING BUOY 5416

YEAR	YR DAY	DATE	TIME (UTC)	LAT (north)	LONG (west)	TIME (UTC)	LAT (north)	LONG (west)
84	225	12/08				1800	76.1342	70.8666
84	226	13/08	0600	76.1834	71.0589	1800	76.1998	71.1633
84	227	14/08	0600	76.1977	71.4893	1800	76.2132	71.8023
84	228	15/08	0600	76.3093	72.0991	1800	76.3976	72.3501
84	229	16/08	0600	76.4165	72.4669	1800	76.3179	72.4581
84	230	17/08	0600	76.3027	72.4171	1800	76.3428	72.2573
84	231	18/08	0600	76.4088	72.2542	1800	76.3902	72.0881
84	232	19/08	0600	76.4039	71.8453	1800	76.4592	71.8047
84	233	20/08	0600	76.4270	71.8013	1800	76.3807	71.6868
84	234	21/08	0600	76.3474	71.6598	1800	76.3138	71.7977
84	235	22/08	0600	76.2670	72.1827	1800	76.2602	72.4268
84	236	23/08	0600	76.2361	72.7295	1800	76.2189	73.0203
84	237	24/08	0600	76.2122	73.2655	1800	76.2246	73.3015
84	238	25/08	0600	76.2707	73.2728	1800	76.3166	73.1344
84	239	26/08	0600	76.3763	73.0049	1800	76.2876	72.9597
84	240	27/08	0600	76.2404	73.1071	1800	76.2948	73.1920
84	241	28/08	0600	76.3210	73.1875	1800	76.3291	73.0214
84	242	29/08	0600	76.3193	72.7892	1800	76.3428	72.6847
84	243	30/08	0600	76.3378	72.6846	1800	76.3623	72.5025
84	244	31/08	0600	76.4392	72.5851	1800	76.5124	72.7718
84	245	01/09	0600	76.5310	73.1330	1800	76.5056	73.4452
84	246	02/09	0600	76.4984	73.7108	1800	76.4957	73.6992
84	240	03/09	0600	76.4591	73.6739	1800	76.4287	73.8565
84	248	04/09	0600	76.3930	74.0193	1800	76.3731	74.1341
84	249	05/09	0600	76.3745	74.4067	1800	76.3917	74.4510
84	250	06/09	0600	76.3789	74.4398	1800	76.3380	74.5090
84	251	07/09	0600	76.3050	74.6880	1800	76.2628	74.8296
84	252	08/09	0600	76.2240	75.0740	1800	76.2435	75.2025
84	253	09/09	0600	76.2258	75.3026	1800	76.1779	75.1099
84	254	10/09	0600	76.1199	75.0432	1800	76.1112	75.1411
84	255	11/09	0600	76.1635	75.2014	1800	76.1761	75.1640
84	256	12/09	0600	76.1791	74.9267	1800	76.1699	74.8124
84	257	13/09	0600	76.1945	74.8935	1800	76.2174	75.2227
84	258	14/09	0600	76.2180	75.7048	1800	76.1366	76.0453
84	259	15/09	0600	76.0462	76.2000	1800	75.9523	76.2094
84	260	16/09	0600	75.9167	76.1257	1800	75.8908	75.9854
84	261	17/09	0600	75.8791	75.9611	1800	75.8538	76.0102
84	262	18/09	0600	75.8142	76.2737	1800	75.7830	76.2904
84	263	19/09	0600	75.7694	76.3596	1800	75.7462	76.3725
84	264	20/09	0600	75.7072	76.6212	1800	75.6605	76.7995
84	265	21/09	0600	75.6246	76.8533	1800	75.5803	76.8734
84	266	22/09	0600	75.5733	76.8261	1800	75.5820	76.7430
84	267	23/09	0559	75.5990	76.6948	1800	75.5756	76.7038
84	268	24/09	0600	75.5630	76.6374	1800	75.6213	76.4704
84	269	25/09	0600	75.6365	76.4799	1800	75.6319	76.4605
84	270	26/09	0600	75.6004	76.3542	1800	75.5456	76.2343
84	271	27/09	0600	75.5169	76.2004	1800	75.4829	76.2061
84	272	28/09	0600	75.3535	76.4190	1800	75.2642	76.6224
84	273	29/09	0600	75.1636	76.8184	1800	74.9987	76.7640
84	274	30/09	0600	74.8920	76.6331	1800	74.8939	76.4449
84	275	01/10	0600	74.8796	76.4061	1800	74.8311	76.3487

ARGOS DRIFTING BUOY 5416

YEAR	YR DAY	DATE	TIME (UTC)	LAT (north)	LONG (west)	TIME (UTC)	LAT (north)	LONG (west)
84	276	02/10	0600	74.7142	76.6843	1800	74.6374	76.8764
84	277	03/10	0600	74.5896	77.2929	1800	74.5913	77.6716
84	278	04/10	0600	74.6222	78.0207	1800	74.6943	78.3616
84	279	05/10	0600	74.6628	78.8759	1800	74.5781	79.0896
84	280	06/10	0600	74.5106	79.0652	1800	74.5210	78.8893
84	281	07/10	0600	74.5412	79.0878	1800	74.5594	79.2788
84	282	08/10	0600	74.5464	79.6018	1800	74.5352	79.6870
84	283	09/10	0600	74.5096	79.8093	1800	74.4704	79.7987
84	284	10/10	0600	74.4669	80.0545	1800	74.4250	80.4859
84	285	11/10	0600	74.3620	80.8942	1800	74.2866	81.0768
84	286	12/10	0600	74.2446	80.8643	1800	74.2369	80.5755
84	287	13/10	0600	74.2327	80.5674	1800	74.2241	80.6484
84	288	14/10	0600	74.2180	80.4555	1800	74.1629	80.0265
84	289	15/10	0600	74.1464	79.9722	1800	74.1303	80.0252
84	290	16/10	0600	74.1117	80.2934	1800	74.0798	80.3462
84	291	17/10	0600	74.0451	80.0846	1800	73.9991	79.5700
84	292	18/10	0600	73.9106	79.0508	1800	73.8512	78.3057
84	293	19/10	0600	73.8543	77.8139	1800	73.8622	77.5169
84	294	20/10	0600	73.8575	77.2205	1800	73.8670	76.8659
84	295	21/10	0600	73.8576	76.8355	1800	73.8360	76.4389
84	296	22/10	0600	73.7016	75.6932	1800	73.3893	75.0865
84	297	23/10	0600	73.3499	74.3765	1800	73.2629	73.4231
84	298	24/10	0600	73.0741	73.2023	1800	73.0689	73.0934
84	299	25/10	0600	73.1002	72.9955	1800	73.1151	72.9033
84	300	26/10	0600	73.1451	72.7756	1800	73.1924	72.5289
84	301	27/10	0600	73.2855	72.3186	1800	73.4130	72.1549
84	302	28/10	0600	73.4876	72.0211	1800	73.5146	71.6424
84	303	29/10	0600	73.4252	70.9144	1800	73.2993	70.3738
84	304	30/10	0600	73.1290	70.4866	1800	72.9799	71.1631


BUOY 5416
GREENLAND
BAFFIN ISLAND
225
259
285
304
80°
75°
70°
65°
60°
55°
76°
74°
72°
70°
68°
66°
200
500
1000
2000

ARGOS DRIFTING BUOY 5417

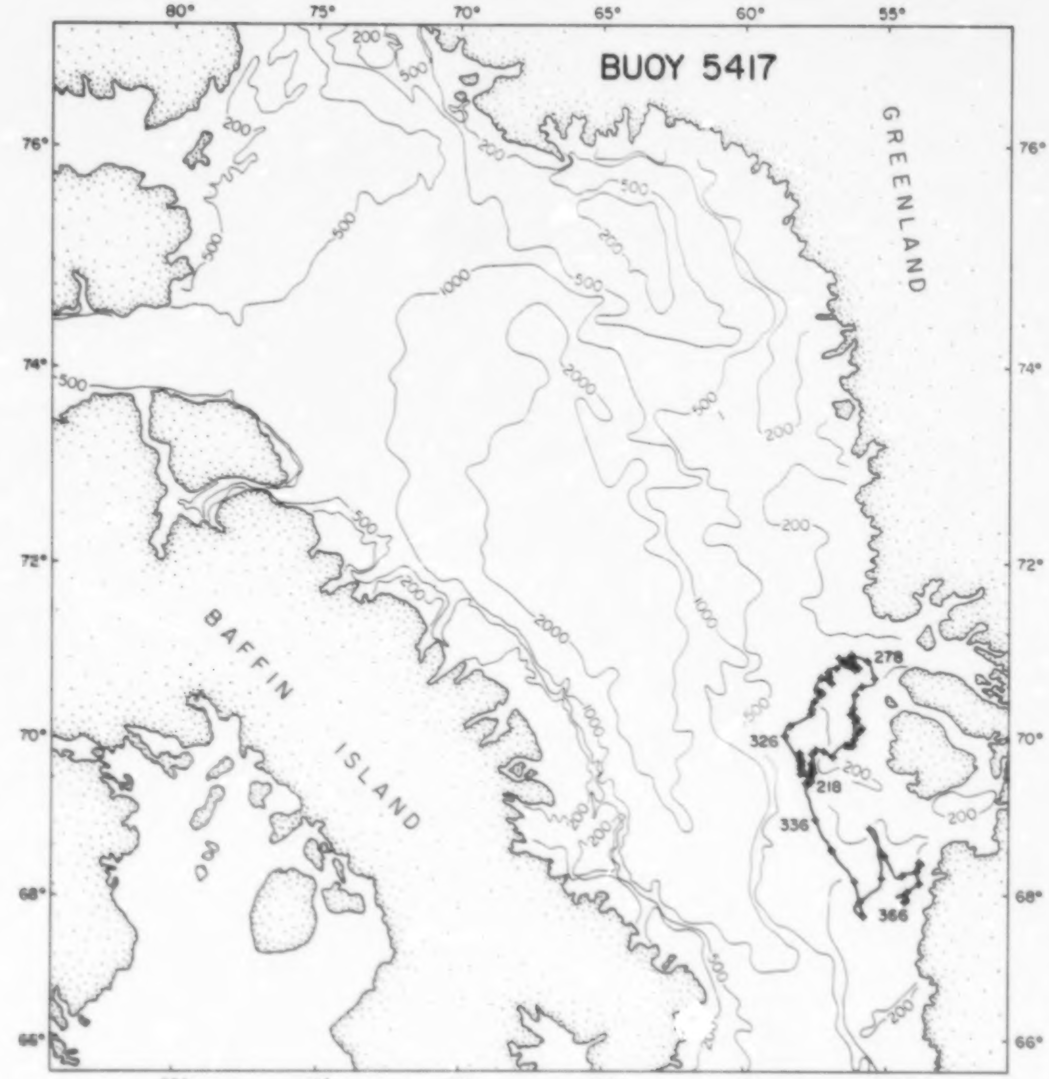
YEAR	YR DAY	DATE	TIME (UTC)	LAT (north)	LONG (west)	TIME (UTC)	LAT (north)	LONG (west)
84	218	05/08	0600	69.6530	58.0630	1800	69.6821	58.0397
84	219	06/08	0600	69.6952	58.0662	1800	69.7200	58.0192
84	220	07/08	0600	69.7458	58.0723	1800	69.7614	58.0489
84	221	08/08	0600	69.7808	58.0903	1800	69.8011	58.0659
84	222	09/08	0600	69.7954	58.0902	1800	69.7714	58.0510
84	223	10/08	0600	69.7497	58.0394	1800	69.7342	57.9900
84	224	11/08	0600	69.7083	58.0292	1800	69.6507	57.9384
84	225	12/08	0600	69.6081	58.0334	1800	69.5913	57.9513
84	226	13/08	0600	69.6041	58.0692	1800	69.6027	58.0136
84	227	14/08	0600	69.5792	58.1244	1800	69.5532	58.0190
84	228	15/08	0600	69.5430	58.0602	1800	69.5440	57.9706
84	229	16/08	0600	69.5542	57.9552	1800	69.5283	57.7486
84	230	17/08	0600	69.5259	57.7807	1800	69.4989	57.7591
84	231	18/08	0600	69.4684	57.8572	1800	69.4378	57.8713
84	232	19/08	0600	69.4287	57.8722	1800	69.4119	57.8607
84	233	20/08	0600	69.4222	57.8262	1800	69.4245	57.7595
84	234	21/08	0600	69.4477	57.7154	1800	69.4329	57.6840
84	235	22/08	0600	69.4626	57.6459	1800	69.4583	57.6479
84	236	23/08	0600	69.5590	57.5989	1800	69.6146	57.5372
84	237	24/08	0600	69.7040	57.6201	1800	69.7498	57.5956
84	238	25/08	0600	69.7922	57.6705	1800	69.7998	57.6173
84	239	26/08	0600	69.8110	57.6242	1800	69.8142	57.5493
84	240	27/08	0600	69.8407	57.4993	1800	69.8470	57.4159
84	241	28/08	0600	69.8451	57.3672	1800	69.8316	57.3054
84	242	29/08	0600	69.8174	57.2447	1800	69.8016	57.1388
84	243	30/08	0600	69.7759	57.0290	1800	69.7443	56.9566
84	244	31/08	0600	69.7487	56.9188	1800	69.7688	56.9268
84	245	01/09	0600	69.8145	56.8573	1800	69.8708	56.6763
84	246	02/09	0600	69.9016	56.4626	1800	69.8918	56.4341
84	247	03/09	0600	69.9047	56.3998	1800	69.8877	56.4114
84	248	04/09	0600	69.9030	56.3236	1800	69.8789	56.2623
84	249	05/09	0600	69.8895	56.2099	1800	69.8625	56.2503
84	250	06/09	0600	69.9003	56.2483	1800	69.9064	56.2691
84	251	07/09	0600	69.9485	56.2444	1800	69.9438	56.2049
84	252	08/09	0600	69.9619	56.1981	1800	69.9618	56.1870
84	253	09/09	0600	70.0009	56.1813	1800	70.0043	56.1867
84	254	10/09	0600	70.0286	56.1124	1800	70.0303	56.0738
84	255	11/09	0600	70.0600	56.0296	1800	70.0669	56.0170
84	256	12/09	0600	70.0672	55.9746	1800	70.0607	55.9830
84	257	13/09	0600	70.0810	55.9247	1800	70.0862	55.9388
84	258	14/09	0600	70.1042	55.9113	1800	70.0773	55.9406
84	259	15/09	0600	70.0501	55.9884	1800	70.0270	56.0959
84	260	16/09	0600	70.0254	56.1160	1800	70.0436	56.1774
84	261	17/09	0600	70.0806	56.1641	1800	70.1269	56.2014
84	262	18/09	0600	70.1642	56.1144	1800	70.1859	56.1308
84	263	19/09	0600	70.2077	56.0644	1800	70.2101	56.1174
84	264	20/09	0600	70.2214	56.0806	1800	70.2176	56.1588
84	265	21/09	0600	70.2253	56.1206	1800	70.2224	56.1889
84	266	22/09	0600	70.2382	56.1920	1800	70.2341	56.2891
84	267	23/09	0600	70.2529	56.2852	1800	70.2553	56.3174
84	268	24/09	0600	70.2655	56.3031	1800	70.2508	56.3217

ARGOS DRIFTING BUOY 5417

YEAR	YR DAY	DATE	TIME (UTC)	LAT (north)	LONG (west)	TIME (UTC)	LAT (north)	LONG (west)
84	269	25/09	0600	70.2688	56.2820	1800	70.2935	56.2798
84	270	26/09	0600	70.3413	56.2007	1800	70.3838	56.1949
84	271	27/09	0600	70.4212	56.1436	1800	70.4614	56.1941
84	272	28/09	0600	70.5015	56.1414	1800	70.5373	56.1477
84	273	29/09	0600	70.5598	56.0906	1800	70.5857	55.9913
84	274	30/09	0600	70.6042	55.8995	1800	70.6170	55.7259
84	275	01/10	0600	70.6177	55.5235	1800	70.6527	55.4102
84	276	02/10	0600	70.6961	55.4558	1800	70.7317	55.4996
84	277	03/10	0600	70.7797	55.5554	1800	70.8411	55.5796
84	278	04/10	0600	70.8926	55.7130	1800	70.9265	55.8044
84	279	05/10	0600	70.9398	55.9568	1800	70.9501	56.0937
84	280	06/10	0600	70.9386	56.2298	1800	70.9170	56.3426
84	281	07/10	0600	70.8938	56.4194	1800	70.8572	56.4334
84	282	08/10	0600	70.8440	56.4186	1800	70.8358	56.2991
84	283	09/10	0600	70.8280	56.1704	1800	70.8204	56.0739
84	284	10/10	0600	70.8166	56.0195	1800	70.8153	56.0164
84	285	11/10	0600	70.8008	56.0365	1800	70.7900	56.0787
84	286	12/10	0600	70.7944	56.1523	1800	70.8156	56.2196
84	287	13/10	0600	70.8379	56.2570	1800	70.8659	56.2579
84	288	14/10	0600	70.8751	56.2414	1800	70.9026	56.1948
84	289	15/10	0600	70.8907	56.1402	1800	70.8661	56.1081
84	290	16/10	0600	70.8378	56.1971	1800	70.8254	56.2513
84	291	17/10	0600	70.8133	56.3679	1800	70.8288	56.4447
84	292	18/10	0600	70.8541	56.5113	1800	70.8995	56.4874
84	293	19/10	0600	70.9430	56.4649	1800	70.9614	56.3215
84	294	20/10	0600	70.9745	56.2405	1800	70.9578	56.2166
84	295	21/10	0600	70.9357	56.2815	1800	70.9244	56.3684
84	296	22/10	0600	70.9008	56.4822	1800	70.9099	56.5437
84	297	23/10	0600	70.9050	56.5997	1800	70.9118	56.6714
84	298	24/10	0600	70.9338	56.7109	1800	70.9438	56.6701
84	299	25/10	0600	70.9144	56.6502	1800	70.8704	56.6523
84	300	26/10	0600	70.8170	56.7810	1800	70.8213	56.8853
84	301	27/10	0600	70.8115	57.0006	1800	70.8000	57.0672
84	302	28/10	0600	70.7672	57.0798	1800	70.7568	57.0339
84	303	29/10	0600	70.7346	57.0056	1800	70.7405	57.0161
84	304	30/10	0600	70.7152	57.0444	1800	70.6959	57.0478
84	305	31/10	0600	70.6456	57.0006	1800	70.6578	56.9158
84	306	01/11	0600	70.6357	56.9546	1800	70.6393	56.9415
84	307	02/11	0600	70.6333	57.0062	1800	70.6710	57.1334
84	308	03/11	0600	70.6998	57.3244	1800	70.6519	57.4988
84	309	04/11	0600	70.5769	57.5934	1800	70.5434	57.5083
84	310	05/11	0600	70.5308	57.4481	1800	70.5290	57.4393
84	311	06/11	0600	70.5323	57.3360	1800	70.5289	57.3312
84	312	07/11	0600	70.5260	57.3103	1800	70.5340	57.3357
84	313	08/11	0600	70.5275	57.3652	1800	70.5460	57.4182
84	314	09/11	0600	70.5450	57.4586	1800	70.5655	57.4725
84	315	10/11	0600	70.5639	57.4151	1800	70.5514	57.3576
84	316	11/11	0600	70.5090	57.3479	1800	70.4934	57.3502
84	317	12/11	0600	70.4688	57.4348	1800	70.4525	57.4973
84	318	13/11	0600	70.4294	57.5611	1800	70.4135	57.6331
84	319	14/11	0600	70.3746	57.7227	1800	70.3658	57.6939

ARGOS DRIFTING BUOY 5417

YEAR	YR DAY	DATE	TIME (UTC)	LAT (north)	LONG (west)	TIME (UTC)	LAT (north)	LONG (west)
84	320	15/11	0600	70.3322	57.6810	1800	70.3454	57.5731
84	321	16/11	0600	70.3253	57.5984	1800	70.3247	57.5742
84	322	17/11	0600	70.2806	57.6876	1800	70.2494	57.8097
84	323	18/11	0600	70.1919	58.0082	1800	70.1696	58.1974
84	324	19/11	0600	70.1261	58.4406	1800	70.1005	58.5395
84	325	20/11	0600	70.0504	58.6057	1800	70.0364	58.6082
84	326	21/11	0600	70.0106	58.6106	1800	69.9439	58.5381
84	327	22/11	0600	69.8728	58.4031	1800	69.7786	58.2547
84	328	23/11	0600	69.6956	58.0855	1800	69.5980	57.9403
84	329	24/11	0600	69.4609	57.7345	1800	69.4572	57.7988
84	330	25/11	0600	69.4611	57.7230	1800	69.5389	57.7170
84	331	26/11	0600	69.6155	57.6312	1800	69.6667	57.6826
84	332	27/11	0600	69.6762	57.6703	1800	69.6458	57.7136
84	333	28/11	0600	69.5823	57.7236	1800	69.4871	57.7704
84	334	29/11	0600	69.4067	57.8332	1800	69.3246	57.8751
84	335	30/11	0600	69.2100	57.7283	1800	69.1155	57.6864
84	336	01/12	0600	68.9681	57.5367	1800	68.8924	57.3920
84	337	02/12	0600	68.7424	57.2520	1800	68.6679	57.0573
84	338	03/12	0600	68.5725	56.9621	1800	68.4881	56.7595
84	339	04/12	0600	68.3764	56.5614	1800	68.2716	56.2870
84	340	05/12	0600	68.1590	56.1526	1800	68.0552	56.0409
84	341	06/12	0322	67.9395	55.9914	1800	67.7612	55.8458
84	342	07/12	0600	67.7000	55.8321	1800	67.7112	55.8286
84	343	08/12	0600	67.7644	56.0930	1800	67.8280	56.1544
84	344	09/12	0600	67.8966	55.9600	1800	68.0075	55.6169
84	345	10/12	0600	68.0464	55.5024	1800	68.0990	55.2625
84	346	11/12	0600	68.2124	55.2109	1800	68.3768	55.1672
84	347	12/12	0600	68.5325	55.3141	1800	68.6812	55.3290
84	348	13/12	0600	68.8516	55.6177	1800	68.8615	55.4527
84	349	14/12	0600	68.7934	55.3901	1800	68.6694	55.3097
84	350	15/12	0600	68.5063	55.1135	1800	68.3359	54.8379
84	351	16/12	0600	68.2263	54.7037	1800	68.2301	54.5611
84	352	17/12	0600	68.2450	54.4879	1800	68.2770	54.3983
84	353	18/12	0600	68.2677	54.3532	1800	68.2928	54.0446
84	354	19/12	0600	68.2933	53.9716	1800	68.3189	53.9475
84	355	20/12	0600	68.3470	53.9185	1800	68.3990	53.8641
84	356	21/12	0600	68.4172	53.8684	1800	68.4428	53.8733
84	357	22/12	0600	68.4180	53.8374	1800	68.3910	53.7996
84	358	23/12	0600	68.3909	53.8111	1800	68.4159	53.9258
84	359	24/12	0600	68.3123	53.9926	1800	68.2395	53.9079
84	360	25/12	0600	68.1411	53.8750	1800	68.1552	53.8098
84	361	26/12	0600	68.1684	53.8413	1800	68.0736	54.1401
84	362	27/12	0600	68.0229	54.3149	1800	68.0047	54.3848
84	363	28/12	0600	67.9697	54.6413	1800	67.9973	54.3189
84	364	29/12	0600	67.8941	54.4040	1800	67.9450	54.1885
84	365	30/12	0600	67.9380	54.2441	1800	67.9309	54.2996
84	366	31/12	0600	67.9239	54.3552			

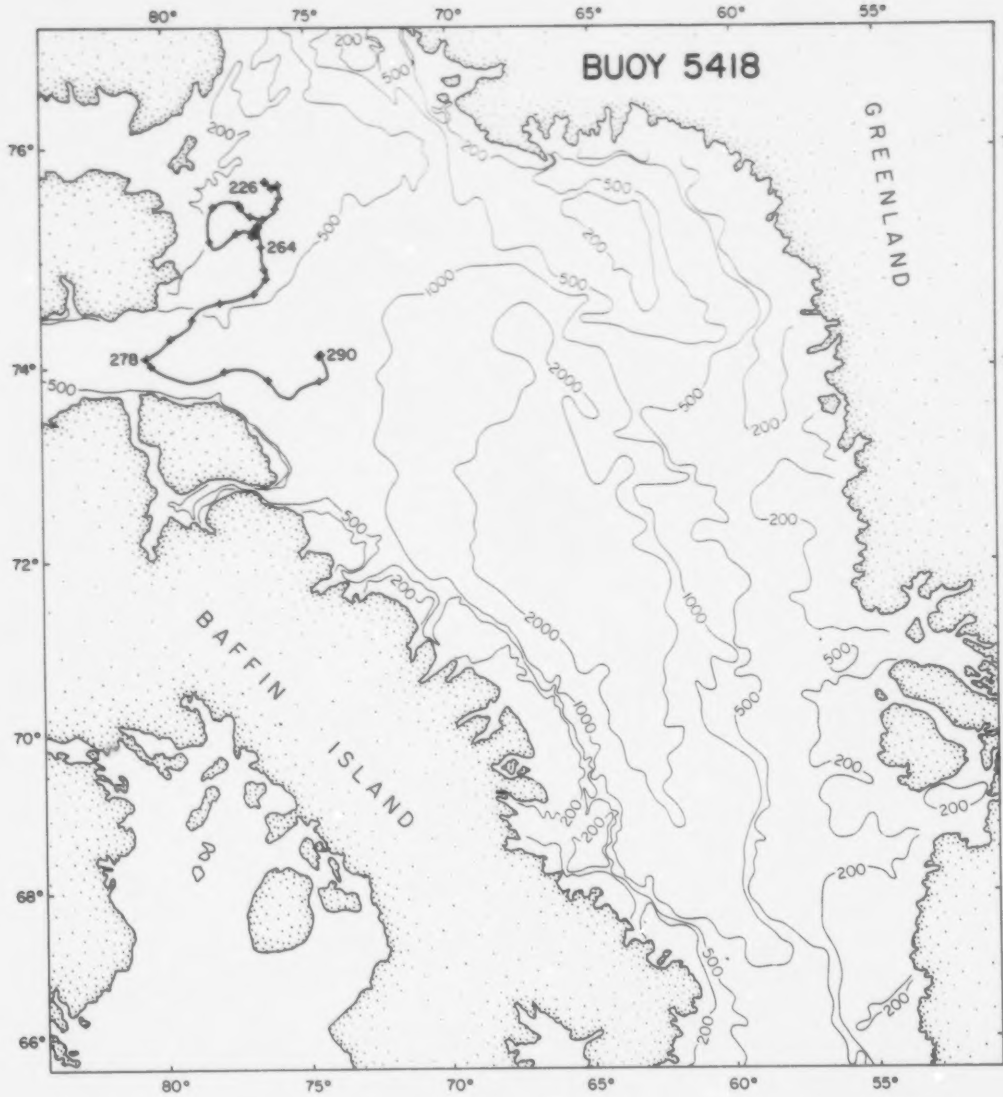

BUOY 5417
GREENLAND
BAFFIN ISLAND
80°
75°
70°
65°
60°
55°
76°
74°
72°
70°
68°
66°
200
500
1000
2000
278
326
218
336
366

ARGOS DRIFTING BUOY 5418

YEAR	YR DAY	DATE	TIME (UTC)	LAT (north)	LONG (west)	TIME (UTC)	LAT (north)	LONG (west)
84	227	14/08	0600	75.7220	76.4141	1800	75.7166	76.4004
84	228	15/08	0600	75.7176	76.3752	1800	75.7130	76.3741
84	229	16/08	0600	75.7035	76.3463	1800	75.6908	76.2571
84	230	17/08	0600	75.6638	76.1524	1800	75.6690	76.0141
84	231	18/08	0600	75.6833	75.8934	1800	75.6895	75.8420
84	232	19/08	0600	75.6922	75.9231	1800	75.6667	75.9034
84	233	20/08	0600	75.6475	75.9458	1800	75.6063	75.8616
84	234	21/08	0600	75.5730	75.8924	1800	75.5391	75.9156
84	235	22/08	0600	75.5278	76.0362	1800	75.4986	76.0019
84	236	23/08	0600	75.4794	76.0343	1800	75.4435	76.0605
84	237	24/08	0600	75.4237	76.2217	1800	75.4004	76.3060
84	238	25/08	0600	75.3867	76.4564	1800	75.3915	76.5719
84	239	26/08	0600	75.4020	76.7079	1800	75.4120	76.7989
84	240	27/08	0600	75.4129	76.8992	1800	75.4292	77.0207
84	241	28/08	0600	75.4517	77.1550	1800	75.4752	77.2033
84	242	29/08	0600	75.4885	77.2393	1800	75.5077	77.2341
84	243	30/08	0600	75.5169	77.2209	1800	75.5170	77.2055
84	244	31/08	0600	75.5203	77.2960	1800	75.5397	77.4203
84	245	01/09	0600	75.5456	77.6761	1800	75.5352	77.9002
84	246	02/09	0600	75.4980	78.2050	1800	75.4455	78.3043
84	247	03/09	0600	75.3948	78.3882	1800	75.2964	78.4169
84	248	04/09	0600	75.1906	78.3564	1800	75.1172	78.2142
84	249	05/09	0600	75.1377	77.9604	1800	75.2093	77.6207
84	250	06/09	0600	75.2600	77.3731	1800	75.2840	77.1630
84	251	07/09	0600	75.2750	77.0260	1800	75.2759	76.9044
84	252	08/09	0600	75.2606	76.8453	1800	75.2453	76.7995
84	253	09/09	0600	75.2436	76.8450	1800	75.2508	76.8421
84	254	10/09	0600	75.2299	76.8477	1800	75.2243	76.7935
84	255	11/09	0600	75.2290	76.7744	1800	75.2431	76.7344
84	256	12/09	0600	75.2436	76.7055	1800	75.2489	76.6816
84	257	13/09	0600	75.2843	76.6402	1800	75.3044	76.6164
84	258	14/09	0600	75.3240	76.6518	1800	75.3255	76.7109
84	259	15/09	0600	75.3250	76.7007	1800	75.3098	76.6736
84	260	16/09	0600	75.3106	76.6527	1800	75.2979	76.6316
84	261	17/09	0600	75.2958	76.6958	1800	75.2978	76.6586
84	262	18/09	0600	75.3018	76.7120	1800	75.2745	76.6557
84	263	19/09	0600	75.2539	76.6367	1800	75.2102	76.5521
84	264	20/09	0600	75.1405	76.5314	1800	75.0700	76.4965
84	265	21/09	0600	75.0048	76.5308	1800	74.9554	76.4249
84	266	22/09	0600	74.9330	76.4304	1800	74.9135	76.3412
84	267	23/09	0600	74.8961	76.3352	1800	74.8780	76.2976
84	268	24/09	0600	74.8465	76.3729	1800	74.8521	76.3608
84	269	25/09	0600	74.8080	76.4877	1800	74.7635	76.5709
84	270	26/09	0600	74.7021	76.7824	1800	74.6660	77.0764
84	271	27/09	0600	74.6367	77.3851	1800	74.6309	77.6137
84	272	28/09	0600	74.6163	77.9749	1800	74.5822	78.3535
84	273	29/09	0600	74.5547	78.6637	1800	74.4967	78.8947
84	274	30/09	0600	74.4545	78.9704	1800	74.4132	78.9812
84	275	01/10	0600	74.3729	79.1323	1800	74.3291	79.3435
84	276	02/10	0600	74.2798	79.7017	1800	74.2133	79.8813
84	277	03/10	0600	74.1602	80.0809	1800	74.1186	80.2710

ARGOS DRIFTING BUOY 5418

YEAR	YR DAY	DATE	TIME (UTC)	LAT (north)	LONG (west)	TIME (UTC)	LAT (north)	LONG (west)
84	278	04/10	0600	74.0887	80.5529	1800	74.0708	80.6320
84	279	05/10	0600	74.0832	80.7575	1800	74.0548	80.5739
84	280	06/10	0600	74.0096	80.4113	1800	73.9115	79.9136
84	281	07/10	0600	73.8431	79.0250	1800	73.9013	78.1756
84	282	08/10	0600	73.9595	77.8401	1800	73.9746	77.5835
84	283	09/10	0600	73.9830	77.2550	1800	73.9642	76.8096
84	284	10/10	0600	73.8704	76.3130	1800	73.7183	75.8811
84	285	11/10	0600	73.6863	75.5331	1800	73.8051	75.1134
84	286	12/10	0600	73.8616	74.5081	1800	73.8934	74.2154
84	287	13/10	0600	73.9998	74.2743	1800	74.0882	74.4278
84	288	14/10	0600	74.1221	74.4537	1800	74.1159	74.3301
84	289	15/10	0600	74.1165	74.3158	1800	74.1141	74.3741
84	290	16/10	0600	74.1084	74.5340			


BUOY 5418
GREENLAND
BAFFIN ISLAND
226
264
278
290
80°
75°
70°
65°
60°
55°
76°
74°
72°
70°
68°
66°
200
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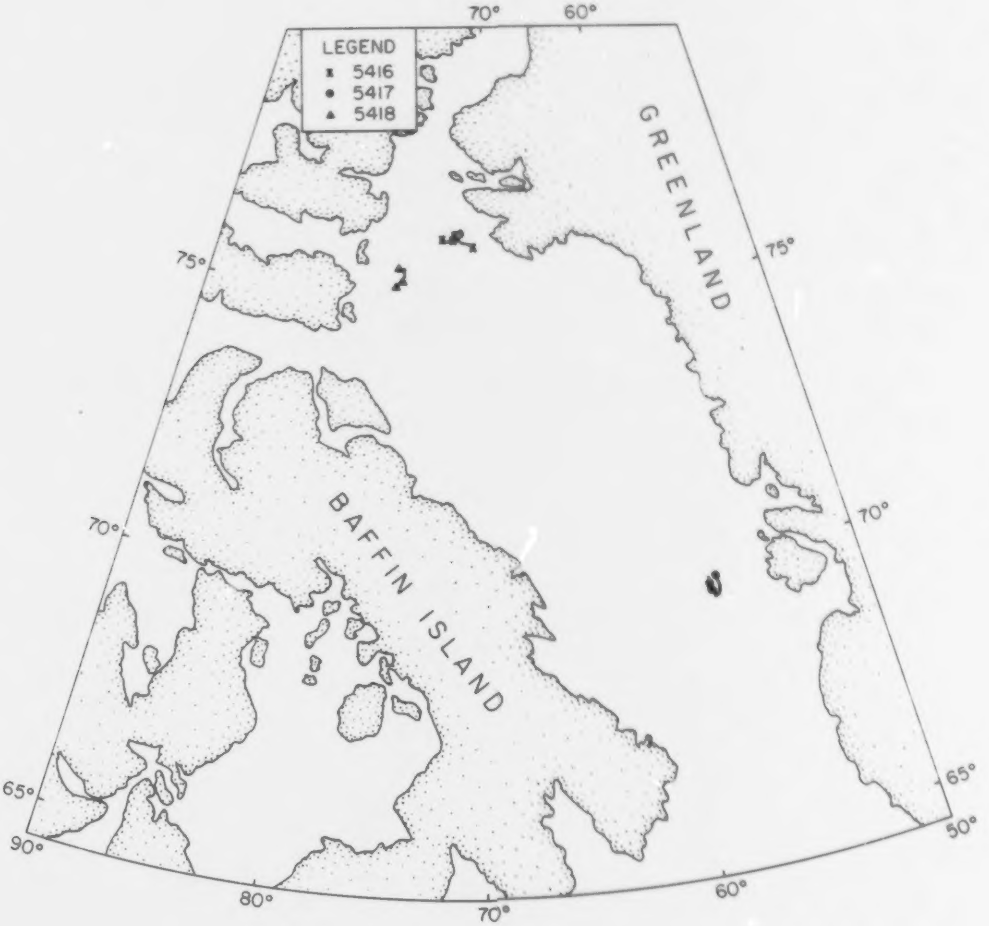
2000

5 AUG to 25 AUG 1984


LEGEND
x 5416
● 5417
▲ 5418
GREENLAND
BAFFIN ISLAND
70°
60°
75°
75°
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70°
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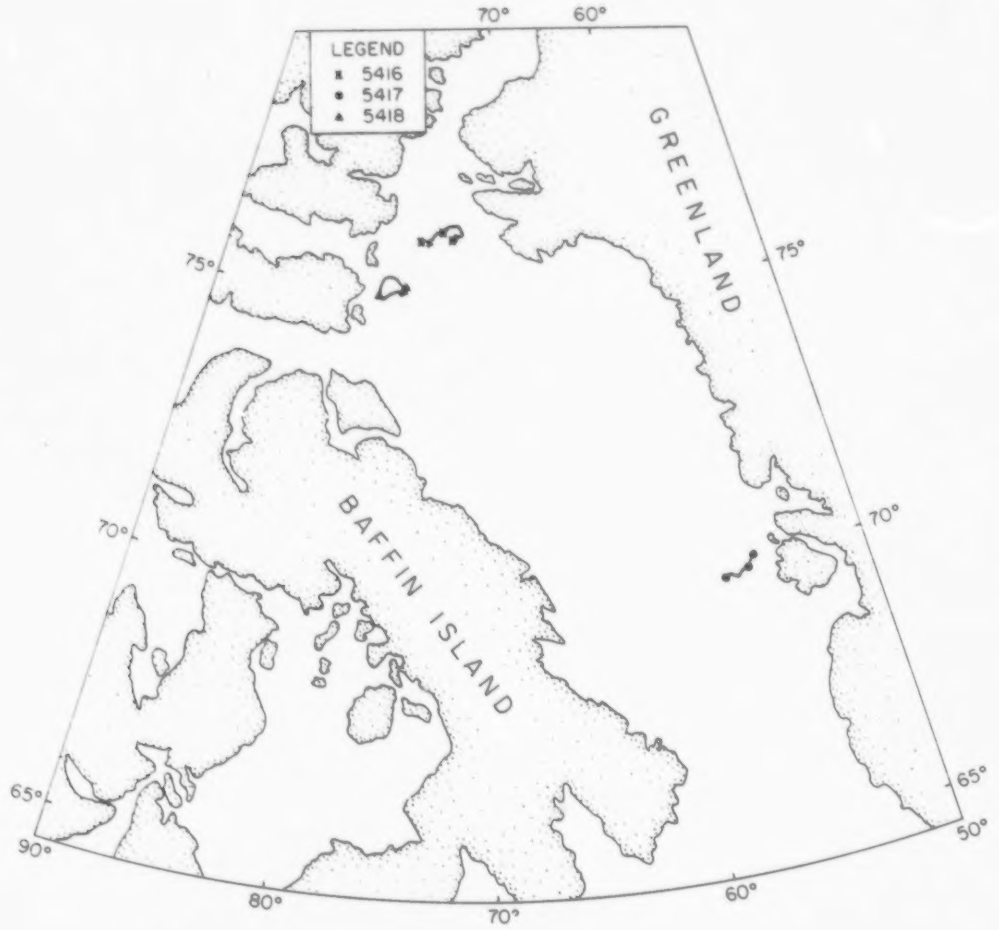
25 AUG to 14 SEP 1984


LEGEND
x 5416
● 5417
▲ 5418
GREENLAND
BAFFIN ISLAND
70°
60°
75°
75°
70°
70°
65°
65°
90°
80°
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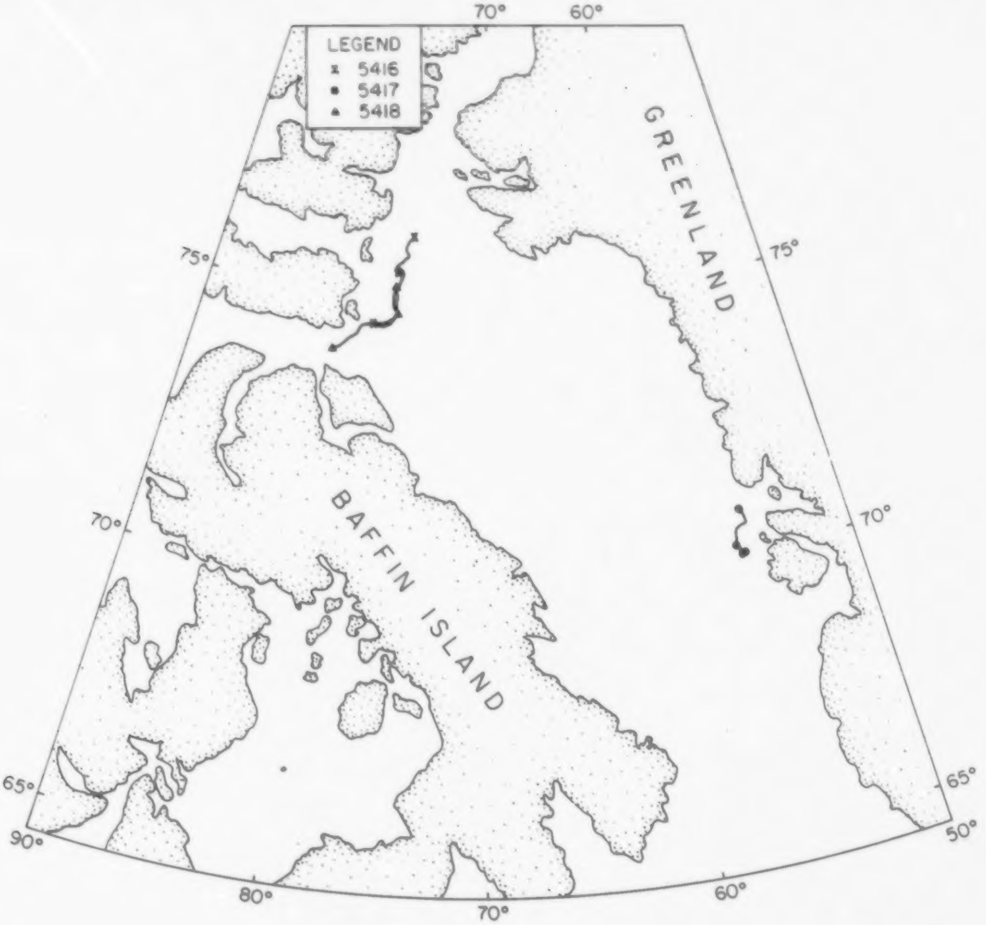
50°

14 SEP to 4 OCT 1984


LEGEND
x 5416
● 5417
▲ 5418
GREENLAND
BAFFIN ISLAND
70°
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90°
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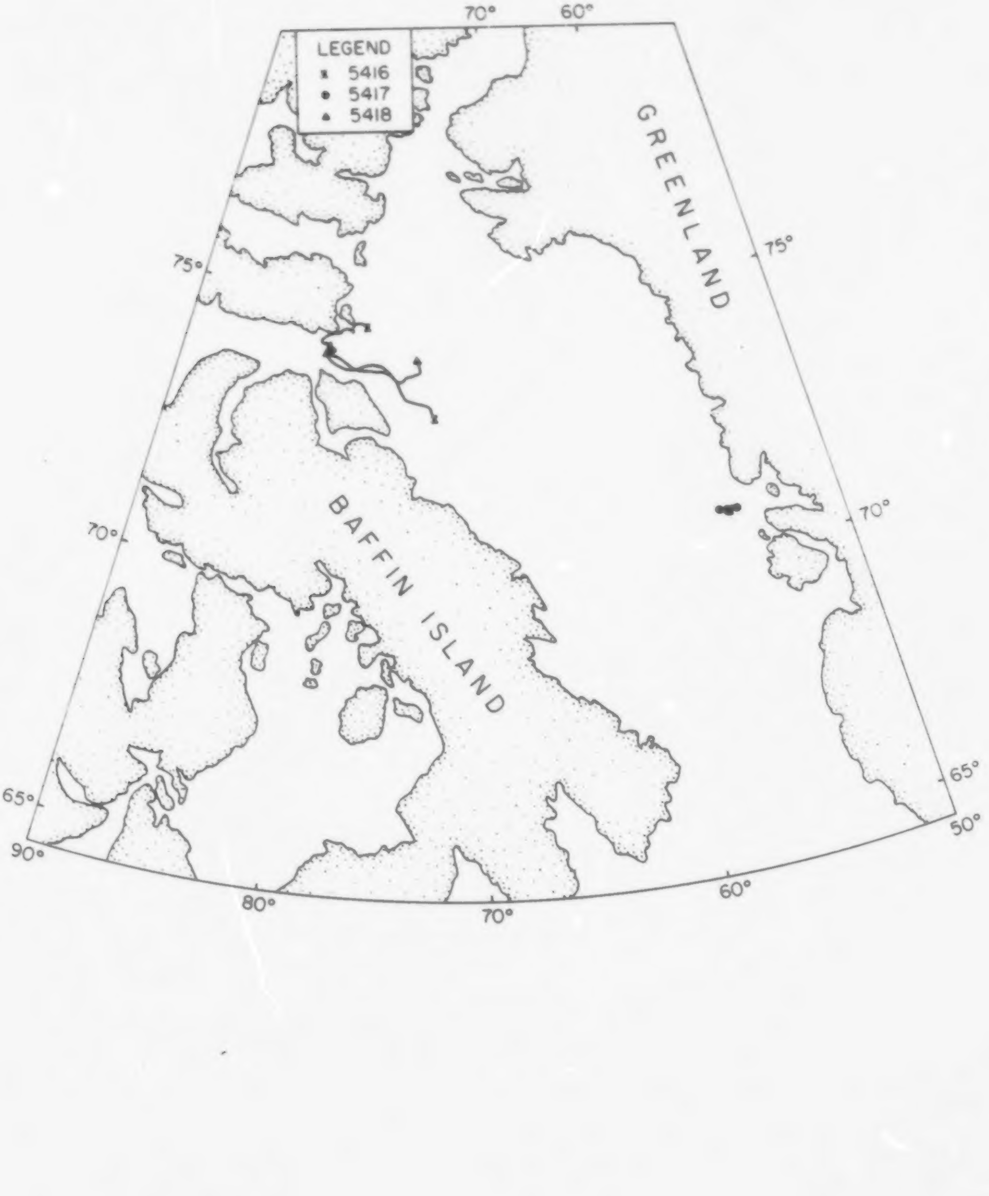
50°

4 OCT to 24 OCT 1984


LEGEND
x 5416
● 5417
▲ 5418
70°
60°
GREENLAND
75°
75°
70°
BAFFIN ISLAND
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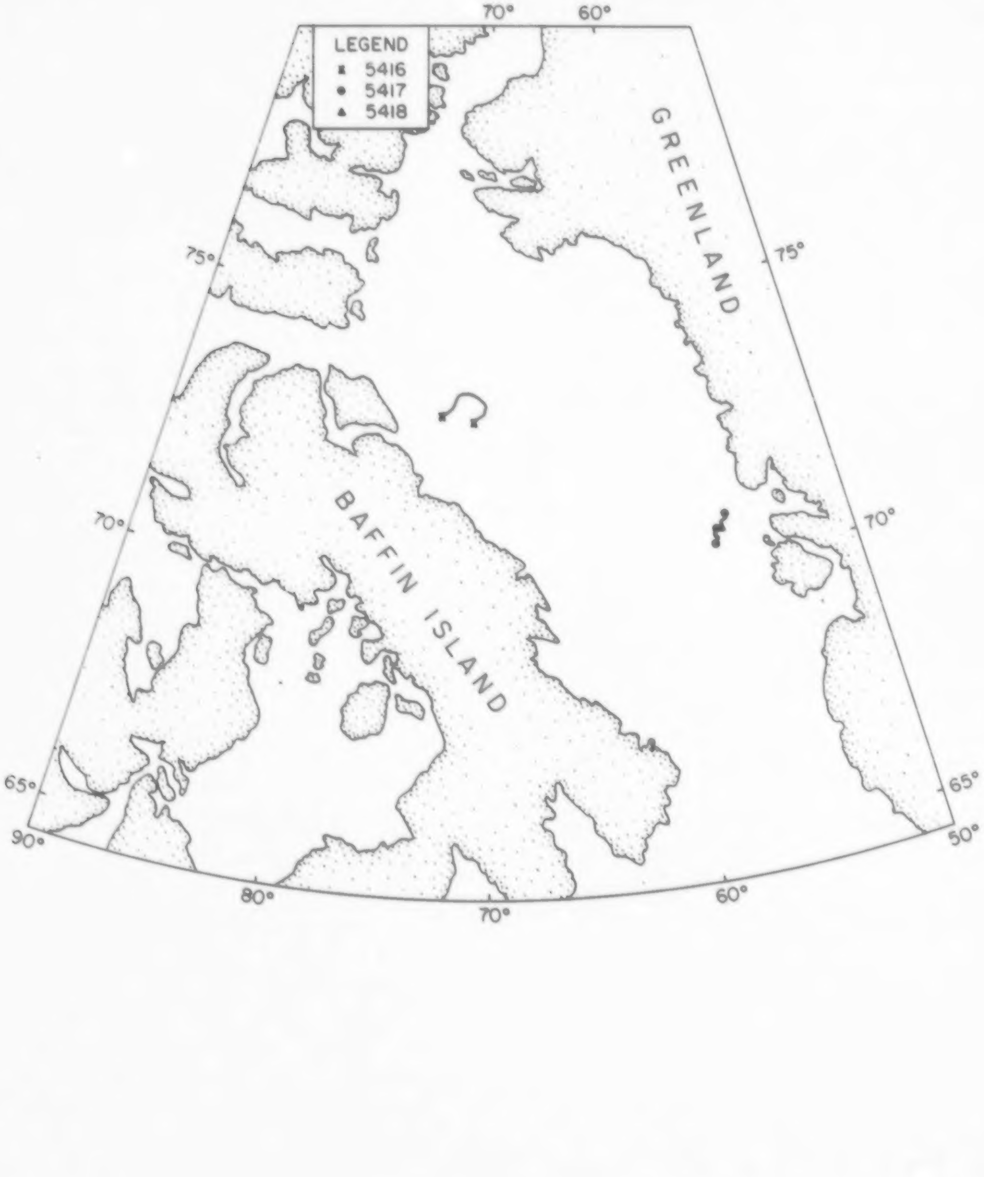
70°
60°

24 OCT to 13 NOV 1984


LEGEND
■ 5416
● 5417
▲ 5418
GREENLAND
BAFFIN ISLAND
70°
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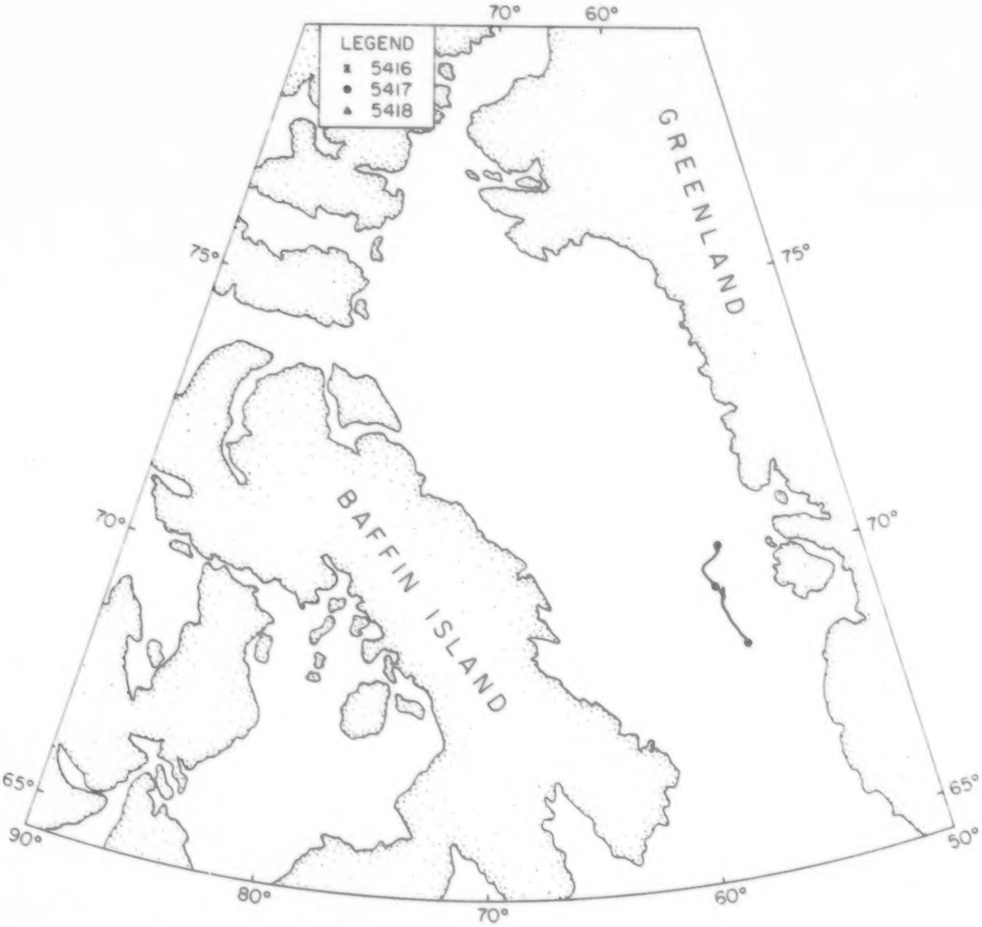
65°

13 NOV to 3 DEC 1984


LEGEND
x 5416
● 5417
▲ 5418
GREENLAND
BAFFIN ISLAND
70°
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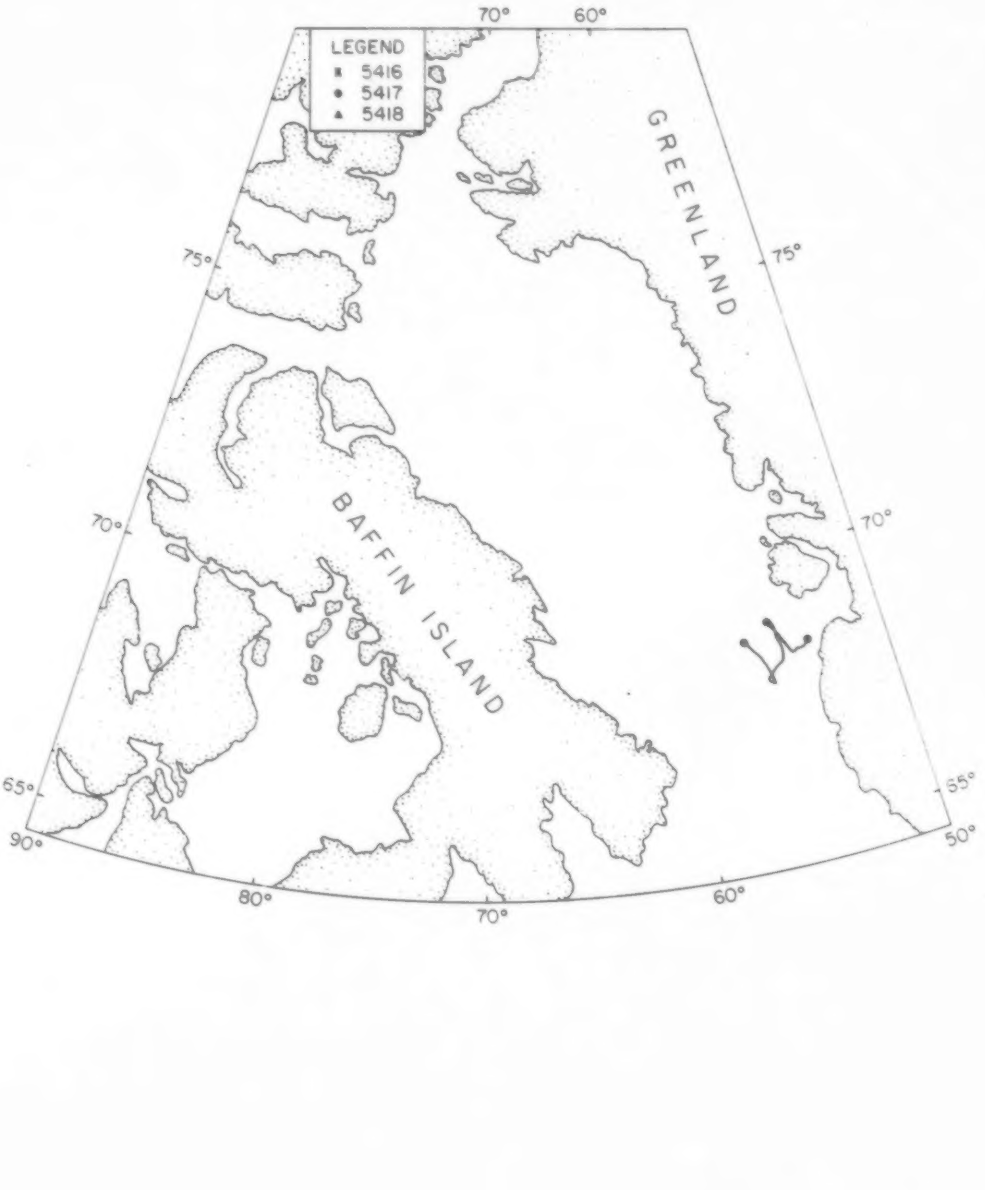
90°
80°
70°
60°
50°

3 DEC to 23 DEC 1984


LEGEND
x 5416
● 5417
▲ 5418
GREENLAND
BAFFIN ISLAND
70°
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75°
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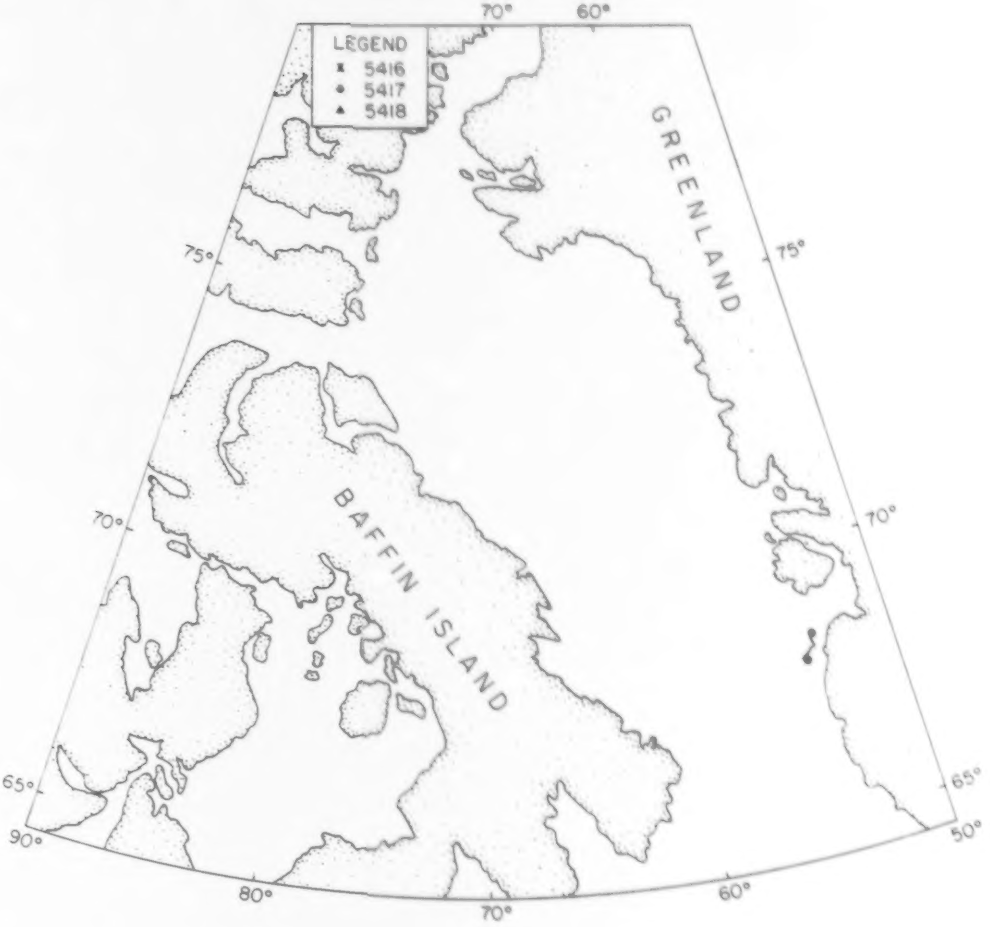
70°
60°
50°

23 DEC to 31 DEC 1984


70°
60°
LEGEND
x 5416
● 5417
▲ 5418
GREENLAND
BAFFIN ISLAND
75°
75°
70°
70°
65°
65°
90°
80°
70°
60°
50°